

Memorandum

Date : August 26, 2003

To : Koll Buer

From : Dona Calder
Shawn Pike
Department of Water Resources

Subject: **DRAFT** Evaluation of Potential Hydrologic Alterations to the Feather River due to Operations Associated with the Oroville Dam using Indicators of Hydrologic Alteration Range of Variability Approach (Appendices on CD-ROM)

USGS Gages #11407000, #11406920 + #11407000, and #11425000

Introduction

The Department of Water Resources (DWR) is specifically responsible for design, construction, operation and maintenance of the State Water Project, which includes the Oroville Facilities. DWR is the licensee for the Oroville Facilities and is required to perform specific impact studies in order to complete the Oroville Facilities Relicensing Procedure for the Federal Energy Regulatory Commission (FERC).

The purpose of this report is to evaluate potential hydrologic alterations to the Feather River due to operations associated with the Oroville Dam. To perform the required tasks, it is necessary to establish baseline hydrologic conditions to provide a context for comparative analysis. DWR Northern District is using the Indicators of Hydrologic Alteration (IHA) methodology to establish a baseline and to describe hydrologic characteristics for the determination of potential statistical alterations due to operations of the Oroville Dam. The IHA methodology incorporates hydrologic variables that are closely associated with ecosystem function. IHA also incorporates the Range of Variability Approach, which shows the degree of alteration of each hydrologic parameter from historic or baseline standard deviations or percentiles.

IHA is a statistical analysis methodology that provides numerical and graphic outputs of the degree and type of spatial and temporal hydrologic changes in a stream, lake or water table. It is essentially a statistical software package that provides a way to generate a suite of standard hydrologic statistics (Richter et. al., 1996).

IHA uses mean daily flows, which are the best available long-term hydrologic data provided by Feather River gaging stations. The flows used in this analysis were acquired from the U.S. Geological Survey, checked for accuracy and formatted for use in IHA. This analysis incorporated mean daily flows up to 2001, the last full water year available before analysis began.

This memorandum describes the IHA evaluation of the Feather River historic baseline and the possible impacts of the operation of the Oroville Dam starting in 1967.

All relevant evaluation output raw files, converted files and other results are included on the attached CD-ROM disk. IHA results for this memorandum would require hundreds of printed pages, making printing and review of paper output impractical. Output file formats are in relatively standard file formats, making review possible by all readers. Appendices are more fully described in the Description of Appendices in this memorandum.

Hydrology

On the Feather River, streamflow data may be divided into two distinct hydrologic periods: before the construction of Oroville Dam and Reservoir (pre-1967) and after the construction of Oroville Dam (1967 to present).

Three Feather River gages provide enough data in each of the distinct periods: Feather River at Oroville (Gage #11407000) from 1902 to 2001, Thermalito Afterbay Release to Feather River (Gage #11406920) from 1967 to 2001, and Feather River near Nicolaus (Gage #11425000) from 1944 to 1983. With the hydrologic records from each of these gages, DWR used IHA to characterize the base hydrology against which the hydrologic effects of the Oroville Dam can be measured.

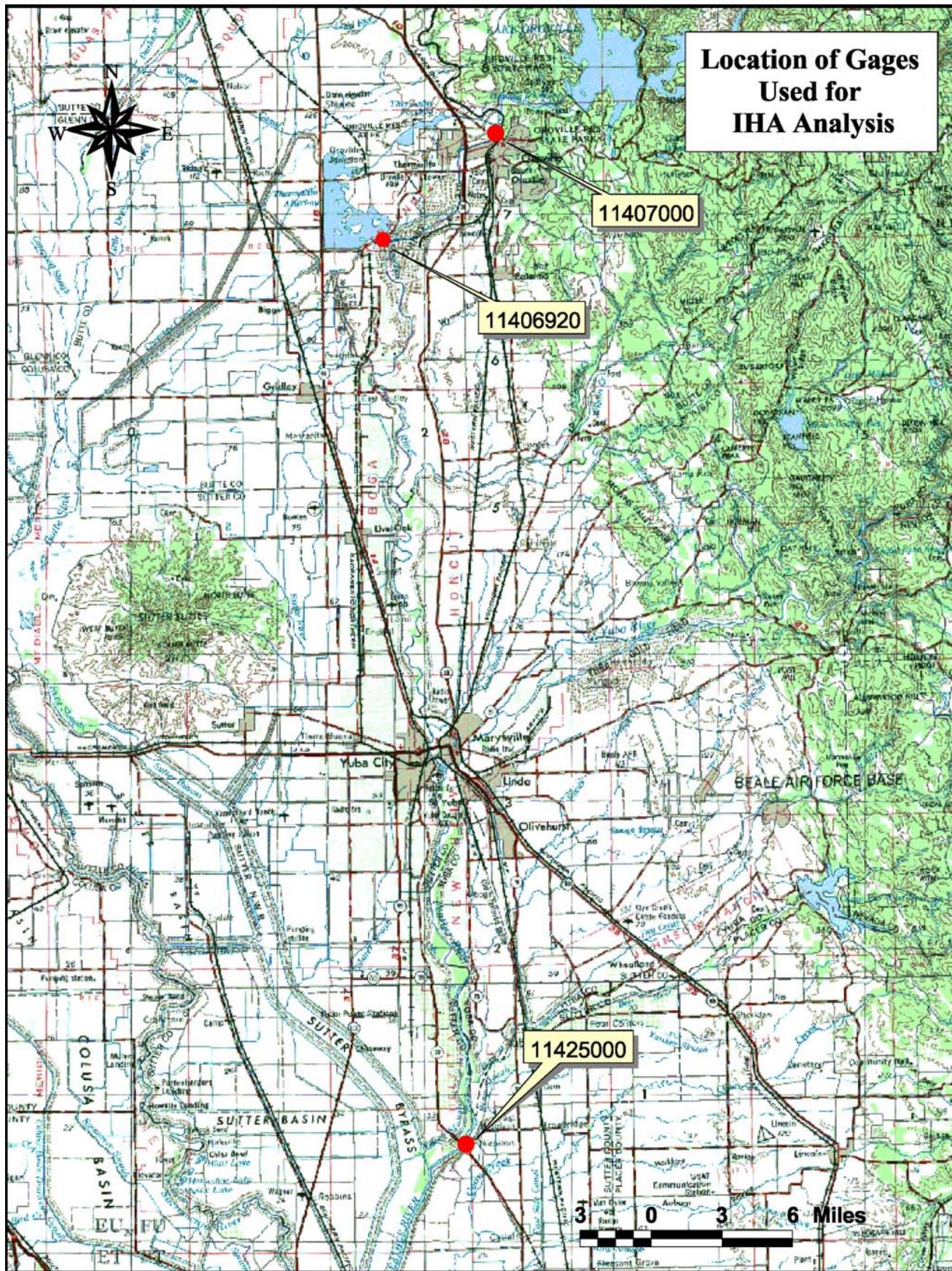
Figure 1 shows the location of the three gages used. These gages were used for data input, but not all singly. First, an evaluation was done using only flows through Oroville gage, secondly, an evaluation combining flows together through Oroville gage and Thermalito Afterbay gage, and thirdly, using only flows through the Nicolaus gage. Using the Oroville gage by itself gives an indication of what is occurring in the low-flow reach of the Feather River downstream from where water is diverted into the Thermalito Afterbay. The combination of the Oroville gage flows and the Thermalito Afterbay release flows shows what is occurring in the high flow part of the River. The Nicolaus gage will indicate what is occurring much further downstream.

IHA analysis of flow records at these gages indicates that some characteristics of Feather River hydrology changed significantly with the operation of Oroville Dam (1967). These changes are shown in Table 1.

Table 1 – Changes in Feather River Hydrology Characteristics

Parameter	Oroville Gage	Combined Oroville and Thermalito Gages	Nicolaus
Mean June flows	Reduced 90%	Reduced 29%	Increased 21%
Mean July flows	Reduced 81%	Increased 90%	Increased 603%
One-day minimum flows	Reduced 67%	Reduced 2%	Increased 400%
Mean April flows	Reduced 94%	Reduced 77%	Reduced 53%
Number of river stage reversals	Increased 35%	Increased 2%	Reduced 4%

Figure 1



IHA Methodology for Evaluation of the Historic Baseline

The IHA methodology yields the quantity, trends and changes in 33 distinct variables, which measure the magnitude, duration, frequency, timing and rates of change of flows. Table 2 lists all of the IHA hydrologic parameters.

Table 2 - IHA Hydrologic Parameters

IHA Statistics Group	Regime Characteristics	Hydrologic Parameters
Group 1: Magnitude of monthly water conditions	Magnitude Timing	Mean October flow Mean November flow Mean December flow Mean January flow Mean February flow Mean March flow Mean April flow Mean May flow Mean June flow Mean July flow Mean August flow Mean September flow
Group 2: Magnitude and duration of annual extreme water conditions	Magnitude Duration	Annual 1-day mean minimum flow Annual 3-day mean minimum flow Annual 7-day mean minimum flow Annual 30-day mean minimum flow Annual 90-day mean minimum flow Annual 1-day mean maximum flow Annual 3-day mean maximum flow Annual 7-day mean maximum flow Annual 30-day mean maximum flow Annual 90-day mean maximum flow Number of zero days Base flow (7-day minimum over mean annual flow)
Group 3: Timing of annual extreme water conditions	Timing	Julian date of each annual 1-day minimum Julian date of each annual 1-day maximum
Group 4: Frequency and duration of high and low pulses	Magnitude Frequency Duration	Number of high pulses (above 75 th percentile) each year Number of low pulses (below 25 th percentile) each year Mean duration of high pulses within each year (days) Mean duration of low pulses within each year (days)
Group 5: Rate and frequency of water condition changes	Frequency Rate of Change	Means of all positive differences between consecutive daily values (rise rate) Means of all negative differences between consecutive daily values (fall rate) Number of reversals

With these variables quantified, an assessment can be made of the range and change of each variable. There are two commonly used statistical methods of evaluating the range and variation of a hydrologic variable: parametric and nonparametric. Parametric analysis uses the mean and standard deviation to evaluate the range of a variable, while nonparametric analysis uses percentiles (i.e., 25th, 50th, and 75th percentiles) to evaluate the range. Nonparametric analysis is often more suitable for hydrologic statistics because hydrologic data distributions are more J-shaped (bell with one side shortened) than bell-shaped (Richter et. al., 1997). This was found to be the case on the Feather River, so while both types of analysis were run, the nonparametric analysis is considered more informative for reporting.

Figures 2, 3 and 4 show an example of nonparametric IHA analysis on the Feather River. The Group 1 variable shown is mean June flows at Oroville gage (Figure 2) and mean June flows at Oroville gage combined with Thermalito Afterbay gage (Figure 3) and mean June flows near Nicolaus gage (Figure 4). Both hydrologic periods have distinct percentile statistics for this particular variable.

Figure 2

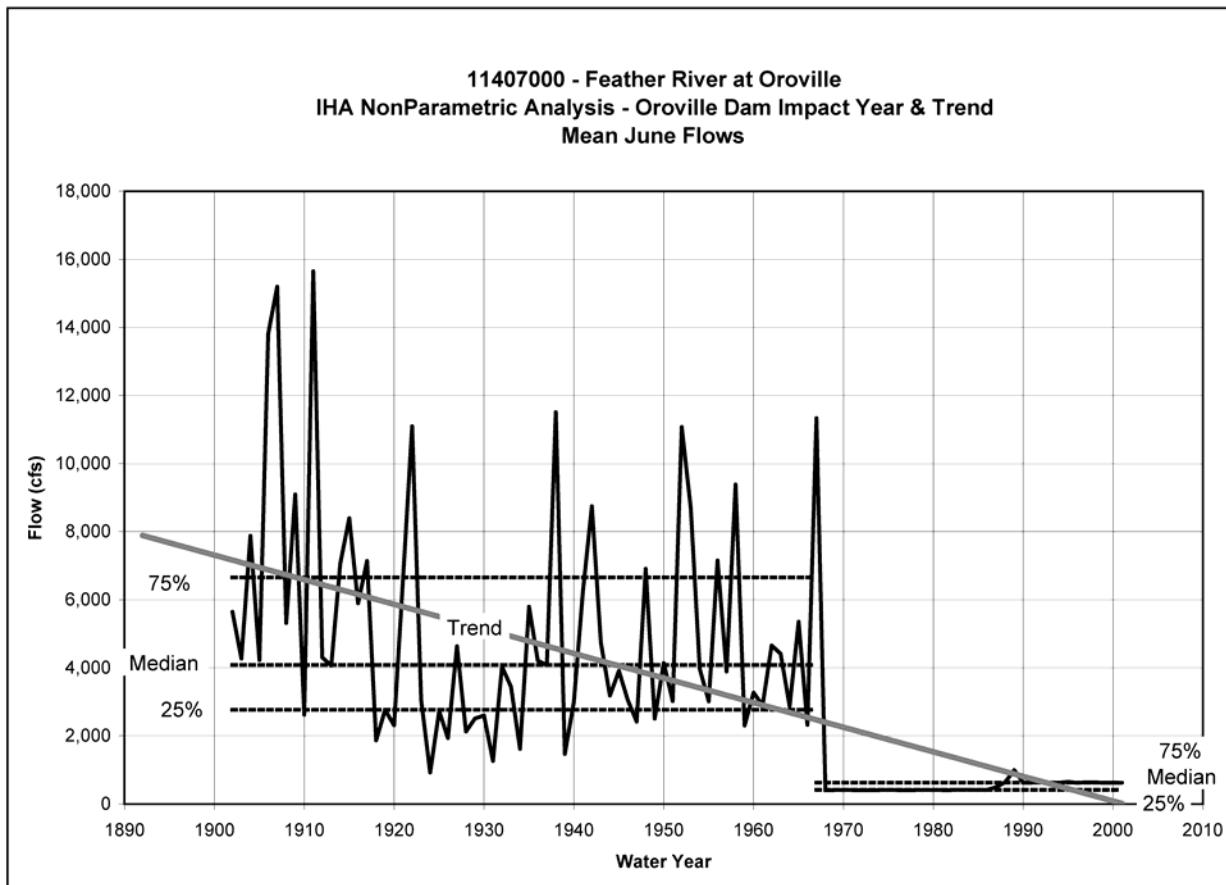


Figure 3

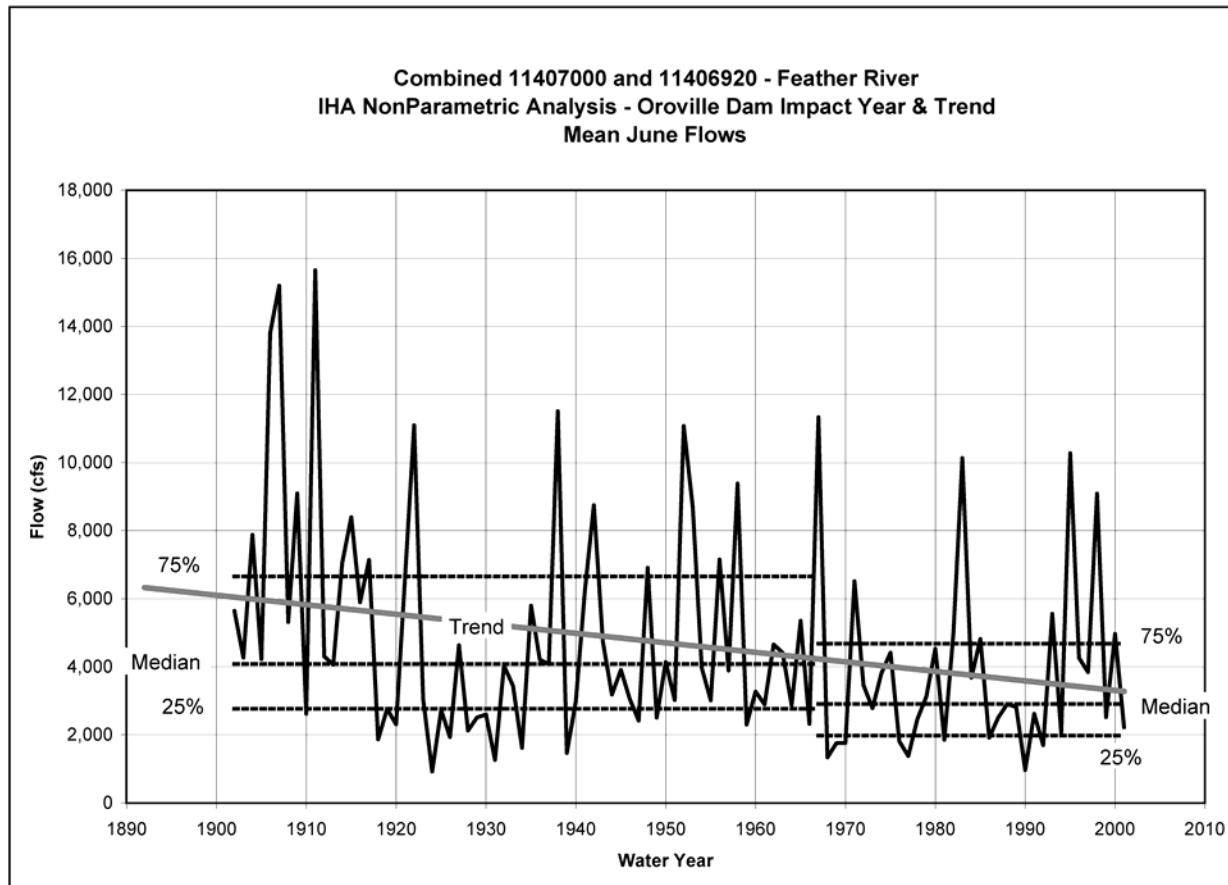
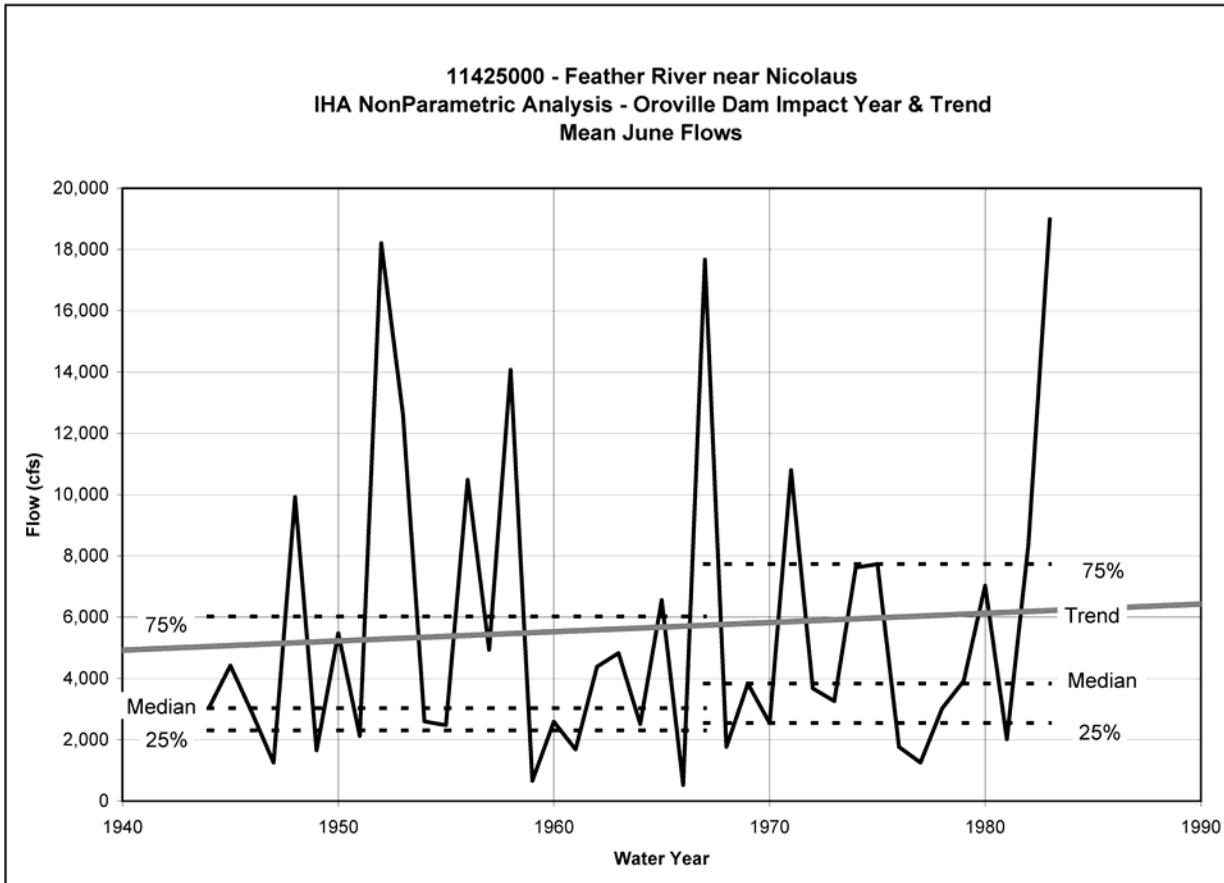


Figure 4



The large difference in the amount of flow going past the Oroville gage and the Nicolaus gage is due mainly to water being diverted away from or into the Feather River. Any inflow into the Feather River at locations between the two gages, such as Honcut Creek and the Yuba River, would not be affected due to the Oroville Dam. However, just upstream of the Oroville gage, water is diverted from the Feather River into the Thermalito Forebay, to the Forebay and back into the Feather River, approximately six miles south of the Oroville gage.

IHA Range of Variability Approach

In addition to intra-annual and inter-annual variation in hydrology, the IHA methodology determines the range of variability of the 33 hydrologic variables. The Range of Variability Approach allows the determination of how the present-day or proposed variability in a particular hydrologic variable compares to a base period. The graphs in Figures 5, 6, and 7 show an example of Range of Variability analysis for each of the 33 variables for the three Feather River gages used in the IHA analysis. Although all changes in hydrologic periods were modeled both parametrically and nonparametrically, only the nonparametric statistics comparing the pre- and post-

Oroville Dam periods are shown here.

The calculations for the following Degree of Hydrologic Alteration graphs are as follows:

$$\text{Alteration} = \frac{(\text{percent of values in range} - \text{historic percent in range})}{\text{historic percent in range}}$$

For example, if for mean June flows, 10 percent of present-day values occur in the 0 to 25th percentile historic range, then the alteration would equal:

$$\text{Alteration of June flows} = (10-25)/25 = -60 \text{ percent, or } -0.6.$$

The Degree of Hydrologic Alteration values for each parameter are plotted in the Degree of Hydrologic Alteration Charts, Figure 5 (Oroville gage) and Figure 6 (Combined Oroville and Thermalito Afterbay gages) and Figure 7 (Nicolaus gage).

Figures 5 through 7 show the degree of alteration of each IHA parameter, for each gage. If there were no change, each square, circle and triangle would be on the "0.00" line, indicating zero alteration. Symbols below zero indicate that for the period of record, 1967 and later, there are fewer flows or other parameters in the historic range. Symbols above zero show that there are more parameters in the 1967 and later period percentile range.

Figure 5

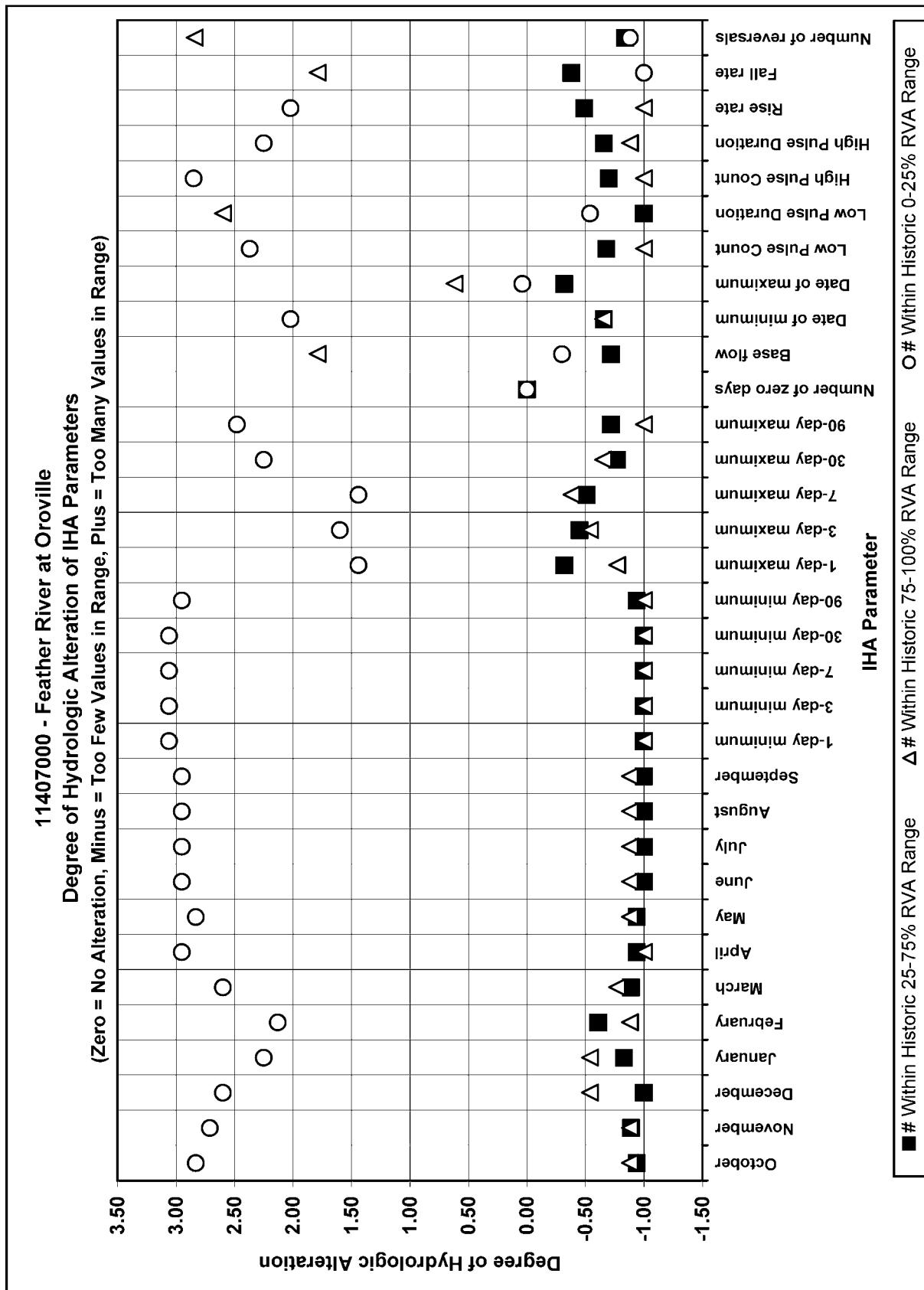


Figure 6

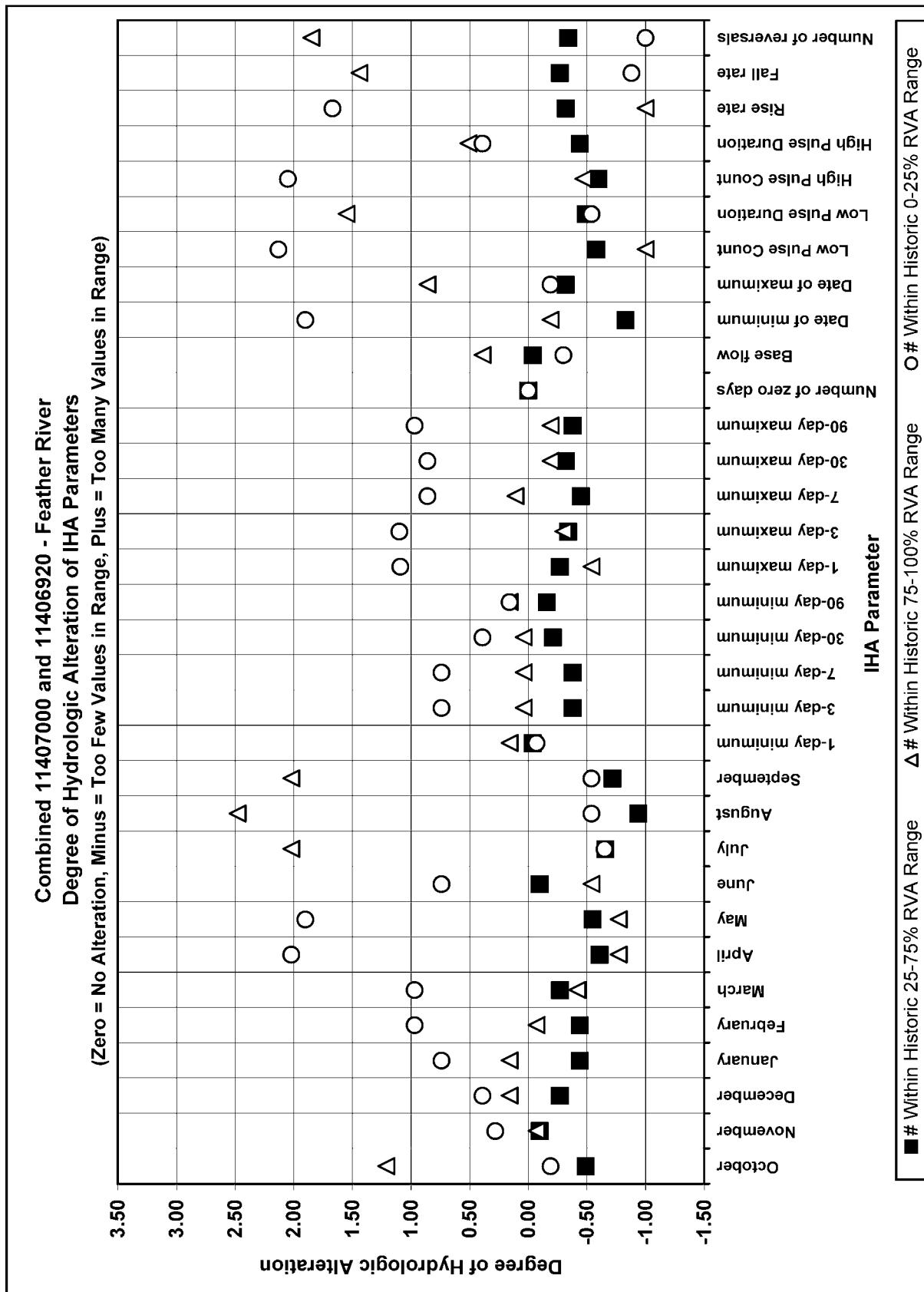
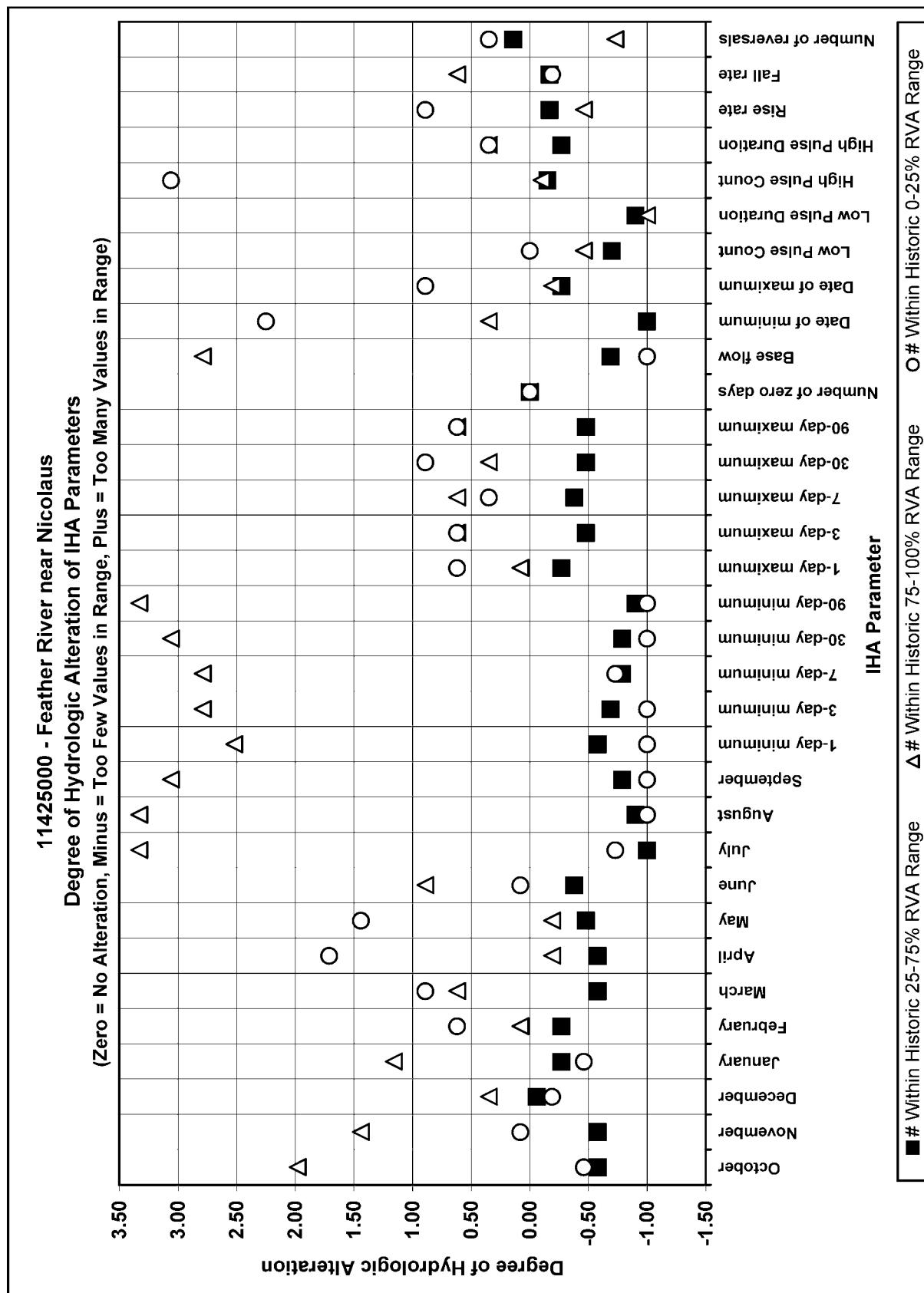


Figure 7



The minimum and maximum possible values of alteration for each percentile range are given in the following table:

Table 3 - Minimum and Maximum Hydrologic Alteration Calculations

Percentile Range	No values in historic range	All values in historic range	No hydrologic alteration compared to historic period
0 – 25 th	(0-25)/25 = -1.0	(100-25)/25 = +3.0	(25-25)/25 = 0
25 th – 75 th	(0-50)/50 = -1.0	(100-50)/50 = +1.0	(50-50)/50 = 0
75 th to 100 th	(0-25)/25 = -1.0	(100-25)/25 = +3.0	(25-25)/25 = 0

The amount of alterations, calculated by the formula above Figure 5 and plotted in Figures 5, 6 and 7, is discussed in Tables 4A through 4E for the Oroville gage, Tables 5A through 5E for the Combined Oroville and Thermalito Afterbay gages, and Tables 6A through 6E for the Nicolaus gage. In these tables, the amount of change is noted as No Change, Small, Moderate or Large based on how much of a difference there is in the Degree of Hydrologic Alteration values for each parameter shown in Figures 5, 6 and 7. Also noted is in what direction the change shifted, for example into which percentile range, if at all. The shift is shown in the IHA NonParametric Analysis – Impact Year and Trend graphs of each parameter versus the water year for each gage. These graphs are in the Appendices portion of this report.

**Table 4A – Alteration in Magnitude of Mean Monthly Flows
from Pre-Oroville to Post-Oroville Dam**

Hydrologic Parameters	Oroville Gage 11407000
Mean October flow	Large – Flows shifted into 0%-25% percentile range of pre-Oroville baseline
Mean November flow	Large – Flows shifted into 0%-25% percentile range of pre-Oroville baseline
Mean December flow	Large – Flows shifted into 0%-25% percentile range of pre-Oroville baseline
Mean January flow	Large – Flows shifted into 0%-25% percentile range of pre-Oroville baseline
Mean February flow	Large – Flows shifted into 0%-25% percentile range of pre-Oroville baseline
Mean March flow	Large – Flows shifted into 0%-25% percentile range of pre-Oroville baseline
Mean April flow	Large – Flows shifted into 0%-25% percentile range of pre-Oroville baseline
Mean May flow	Large – Flows shifted into 0%-25% percentile range of pre-Oroville baseline
Mean June flow	Large – Flows shifted into 0%-25% percentile range of pre-Oroville baseline
Mean July flow	Large – Flows shifted into 0%-25% percentile range of pre-Oroville baseline
Mean August flow	Large – Flows shifted into 0%-25% percentile range of pre-Oroville baseline
Mean September flow	Large – Flows shifted into 0%-25% percentile range of pre-Oroville baseline

Table 4B – Alteration in Magnitude and Duration of Annual Extreme Discharges from Pre-Oroville to Post-Oroville Dam

Hydrologic Parameters	Oroville Gage 11407000
Annual 1-day mean minimum flow	Large – Flows shifted into 0%-25% percentile range of pre-Oroville baseline
Annual 3-day mean minimum flow	Large – Flows shifted into 0%-25% percentile range of pre-Oroville baseline
Annual 7-day mean minimum flow	Large – Flows shifted into 0%-25% percentile range of pre-Oroville baseline
Annual 30-day mean minimum flow	Large – Flows shifted into 0%-25% percentile range of pre-Oroville baseline
Annual 90-day mean minimum flow	Large – Flows shifted into 0%-25% percentile range of pre-Oroville baseline
Annual 1-day mean maximum flow	Moderate – Flows shifted into 0%-25% percentile range of pre-Oroville baseline
Annual 3-day mean maximum flow	Moderate – Flows shifted into 0%-25% percentile range of pre-Oroville baseline
Annual 7-day mean maximum flow	Moderate – Flows shifted into 0%-25% percentile range of pre-Oroville baseline
Annual 30-day mean maximum flow	Large – Flows shifted into 0%-25% percentile range of pre-Oroville baseline
Annual 90-day mean maximum flow	Large – Flows shifted into 0%-25% percentile range of pre-Oroville baseline
Number of zero days	No change
Base flow (7-day minimum over mean annual flow)	Moderate – Flows shifted into 75% -100% percentile range of pre-Oroville baseline

**Table 4C – Alteration in Timing of Minimums, Maximums
from Pre-Oroville to Post-Oroville Dam**

Hydrologic Parameters	Oroville Gage 11407000
Julian date of each annual 1-day minimum	Moderate – Dates shifted into 0%-25% percentile range of pre-Oroville baseline
Julian date of each annual 1-day maximum	Small – Dates shifted slightly to above median of pre-Oroville baseline

**Table 4D – Alteration in Frequency and Duration of High and Low Pulses
from Pre-Oroville to Post-Oroville Dam**

Hydrologic Parameters	Oroville Gage 11407000
Number of low pulses (below 25 th percentile) each year	Large – Pulses shifted into 0%-25% percentile range of pre-Oroville baseline
Mean duration of low pulses within each year (days)	Large – Durations shifted into 75%-100% percentile range of pre-Oroville baseline
Number of high pulses (above 75 th percentile) each year	Large – Pulses shifted into 0%-25% percentile range of pre-Oroville baseline
Mean duration of high pulses within each year (days)	Large – Durations shifted into 0%-25% percentile range of pre-Oroville baseline

**Table 4E – Alteration in Rate and Frequency of Hydrograph Changes
from Pre-Oroville to Post-Oroville Dam**

Hydrologic Parameters	Oroville Gage 11407000
Means of all positive differences between consecutive daily values (rise rate)	Large – Rates shifted into 0%-25% percentile range of pre-Oroville baseline
Means of all negative differences between consecutive daily values (fall rate)	Moderate – Rates shifted into 75%-100% percentile range of pre-Oroville baseline
Number of reversals	Large – Reversals shifted into 75%-100% percentile range of pre-Oroville baseline

**Table 5A – Alteration in Magnitude of Mean Monthly Flows
from Pre-Oroville to Post-Oroville Dam**

Hydrologic Parameters	Combined Oroville and Thermalito Afterbay Gages 11407000 and 11406920
Mean October flow	Small – Flows shifted into 75% -100% percentile range of pre-Oroville baseline
Mean November flow	Small – Flows shifted to slightly below median of pre-Oroville baseline
Mean December flow	Small – Flows shifted to slightly below median of pre-Oroville baseline
Mean January flow	Small – Flows shifted into 25%-50% percentile range of pre-Oroville baseline
Mean February flow	Small – Flows shifted into 25%-50% percentile range of pre-Oroville baseline
Mean March flow	Small – Flows shifted into 25%-50% percentile range of pre-Oroville baseline
Mean April flow	Moderate – Flows shifted into 0%-25% percentile range of pre-Oroville baseline
Mean May flow	Moderate – Flows shifted into 0%-25% percentile range of pre-Oroville baseline
Mean June flow	Small – Flows shifted into 25%-50% percentile range of pre-Oroville baseline
Mean July flow	Moderate – Flows shifted into 75% -100% percentile range of pre-Oroville baseline
Mean August flow	Large – Flows shifted into 75% -100% percentile range of pre-Oroville baseline
Mean September flow	Moderate – Flows shifted into 75% -100% percentile range of pre-Oroville baseline

Table 5B – Alteration in Magnitude and Duration of Annual Extreme Discharges from Pre-Oroville to Post-Oroville Dam

Hydrologic Parameters	Combined Oroville and Thermalito Afterbay Gages 11407000 and 11406920
Annual 1-day mean minimum flow	Small – Flows shifted slightly below median of pre-Oroville baseline
Annual 3-day mean minimum flow	Small – Flows shifted into 25%-50% percentile range of pre-Oroville baseline
Annual 7-day mean minimum flow	Small – Flows shifted into 25%-50% percentile range of pre-Oroville baseline
Annual 30-day mean minimum flow	Small – Flows shifted into 25%-50% percentile range of pre-Oroville baseline
Annual 90-day mean minimum flow	Small – Flows shifted slightly above median of pre-Oroville baseline
Annual 1-day mean maximum flow	Moderate – Flows shifted into 0%-25% percentile range of pre-Oroville baseline
Annual 3-day mean maximum flow	Small – Flows shifted into 25%-50% percentile range of pre-Oroville baseline
Annual 7-day mean maximum flow	Small – Flows shifted into 25%-50% percentile range of pre-Oroville baseline
Annual 30-day mean maximum flow	Small – Flows shifted into 25%-50% percentile range of pre-Oroville baseline
Annual 90-day mean maximum flow	Small – Flows shifted into 25%-50% percentile range of pre-Oroville baseline
Number of zero days	No change
Base flow (7-day minimum over mean annual flow)	Small – Flows shifted into 50% -75% percentile range of pre-Oroville baseline

**Table 5C – Alteration in Timing of Minimums, Maximums
from Pre-Oroville to Post-Oroville Dam**

Hydrologic Parameters	Combined Oroville and Thermalito Afterbay Gages 11407000 and 11406920
Julian date of each annual 1-day minimum	Moderate – Dates shifted into 0%-25% percentile range of pre-Oroville baseline
Julian date of each annual 1-day maximum	Small – Dates shifted slightly into 75% -100% percentile range of pre-Oroville baseline

**Table 5D – Alteration in Frequency and Duration of High and Small Pulses
from Pre-Oroville to Post-Oroville Dam**

Hydrologic Parameters	Combined Oroville and Thermalito Afterbay Gages 11407000 and 11406920
Number of low pulses (below 25 th percentile) each year	Large – Pulses shifted into 0%-25% percentile range of pre-Oroville baseline
Mean duration of low pulses within each year (days)	Moderate – Durations shifted into 75% -100% percentile range of pre-Oroville baseline
Number of high pulses (above 75 th percentile) each year	Moderate – Pulses shifted into 0%-25% percentile range of pre-Oroville baseline
Mean duration of high pulses within each year (days)	Small – Durations shifted to slightly below median of pre-Oroville baseline

**Table 5E – Alteration in Rate and Frequency of Hydrograph Changes
from Pre-Oroville to Post-Oroville Dam**

Hydrologic Parameters	Combined Oroville and Thermalito Afterbay Gages 11407000 and 11406920
Means of all positive differences between consecutive daily values (rise rate)	Moderate – Rates shifted into 0%-25% percentile range of pre-Oroville baseline
Means of all negative differences between consecutive daily values (fall rate)	Moderate – Rates shifted into 75% -100% percentile range of pre-Oroville baseline
Number of reversals	Moderate – Reversals shifted into 75% -100% percentile range of pre-Oroville baseline

**Table 6A – Alteration in Magnitude of Mean Monthly Flows
from Pre-Oroville to Post-Oroville Dam**

Hydrologic Parameters	Nicolaus Gage 11425000
Mean October flow	Small – Flows shifted into 75%-100% percentile range of pre-Oroville baseline
Mean November flow	Small – Flows shifted into 75%-100% percentile range of pre-Oroville baseline
Mean December flow	Small – Flows shifted into 50%-75% percentile range of pre-Oroville baseline
Mean January flow	Small – Flows shifted into 75%-100% percentile range of pre-Oroville baseline
Mean February flow	Small – Flows shifted into 25%-50% percentile range of pre-Oroville baseline
Mean March flow	Small – Flows shifted to slightly within 50%-75% percentile range of pre-Oroville baseline
Mean April flow	Small – Flows shifted into 0%-25% percentile range of pre-Oroville baseline
Mean May flow	Small – Flows shifted into 0%-25% percentile range of pre-Oroville baseline
Mean June flow	Small – Flows shifted into 50%-75% percentile range of pre-Oroville baseline
Mean July flow	Large – Flows shifted into 75%-100% percentile range of pre-Oroville baseline
Mean August flow	Large – Flows shifted into 75%-100% percentile range of pre-Oroville baseline
Mean September flow	Large – Flows shifted into 75%-100% percentile range of pre-Oroville baseline

Table 6B – Alteration in Magnitude and Duration of Annual Extreme Discharges from Pre-Oroville to Post-Oroville Dam

Hydrologic Parameters	Nicolaus Gage 11425000
Annual 1-day mean minimum flow	Large – Flows shifted into 75%-100% percentile range of pre-Oroville baseline
Annual 3-day mean minimum flow	Large – Flows shifted into 75%-100% percentile range of pre-Oroville baseline
Annual 7-day mean minimum flow	Large – Flows shifted into 75%-100% percentile range of pre-Oroville baseline
Annual 30-day mean minimum flow	Large – Flows shifted into 75%-100% percentile range of pre-Oroville baseline
Annual 90-day mean minimum flow	Large – Flows shifted into 75%-100% percentile range of pre-Oroville baseline
Annual 1-day mean maximum flow	Small – Flows shifted into 25%-50% percentile range of pre-Oroville baseline
Annual 3-day mean maximum flow	Small – Flows shifted into 25%-50% percentile range of pre-Oroville baseline
Annual 7-day mean maximum flow	Small – Flows shifted into 25%-50% percentile range of pre-Oroville baseline
Annual 30-day mean maximum flow	Small – Flows shifted into 25%-50% percentile range of pre-Oroville baseline
Annual 90-day mean maximum flow	Small – Flows shifted into 25%-50% percentile range of pre-Oroville baseline
Number of zero days	No change
Base flow (7-day minimum over mean annual flow)	Moderate – Flows shifted into 75% -100% percentile range of pre-Oroville baseline

**Table 6C – Alteration in Timing of Minimums, Maximums
from Pre-Oroville to Post-Oroville Dam**

Hydrologic Parameters	Nicolaus Gage 11425000
Julian date of each annual 1-day minimum	Large – Dates shifted into 0%-25% percentile range of pre-Oroville baseline
Julian date of each annual 1-day maximum	Small – Dates shifted slightly below median of pre-Oroville baseline

**Table 6D – Alteration in Frequency and Duration of High and Small Pulses
from Pre-Oroville to Post-Oroville Dam**

Hydrologic Parameters	Nicolaus Gage 11425000
Number of low pulses (below 25 th percentile) each year	Moderate – Pulses shifted into 0%-25% percentile range of pre-Oroville baseline
Mean duration of low pulses within each year (days)	Large – Durations shifted into 0%-25% percentile range of pre-Oroville baseline
Number of high pulses (above 75 th percentile) each year	Small – Pulses shifted into 25%-50% percentile range of pre-Oroville baseline
Mean duration of high pulses within each year (days)	Small – Durations shifted into 50%-75% percentile range of pre-Oroville baseline

**Table 6E – Alteration in Rate and Frequency of Hydrograph Changes
from Pre-Oroville to Post-Oroville Dam**

Hydrologic Parameters	Nicolaus Gage 11425000
Means of all positive differences between consecutive daily values (rise rate)	Small – Rates shifted into 25%-50% percentile range of pre-Oroville baseline
Means of all negative differences between consecutive daily values (fall rate)	Small – Rates shifted into 50%-75% percentile range of pre-Oroville baseline
Number of reversals	Small – Reversals shifted into 25%-50% percentile range of pre-Oroville baseline

IHA Evaluation - Result Files and Appendices

The following is an explanation of the directories on the attached CD-ROM. This diagram of directories is useful in understanding the discussion of appendix files.

OSI_IHA_Appendices 2003_08_26

Input_Files – hydrology files in IHA format for three Feather River gages

Map_LocationofGages – ArcView map showing location of three gages used in this report

Output_Files_IHA

11407000_Oroville - IHA output used for data input into Excel files

11425000_Nicolaus - IHA output used for data input into Excel files

Combined_11407000and11406020_TAB - IHA output used for data input into Excel files

Output_Files_Non-IHA

11407000_Oroville

AlterationTables – Tables 4A to 4E in report

BoxAndWhiskerCharts

DegreeOfHydrologicAlterationChart

ImpactYearAndTrendCharts

Scorecard

11425000_Nicolaus

AlterationTables – Tables 6A to 6E in report

BoxAndWhiskerCharts

DegreeOfHydrologicAlterationChart

ImpactYearAndTrendCharts

Scorecard

Combined_11407000and11406020_TAB

AlterationTables – Tables 5A to 5E in report

BoxAndWhiskerCharts

DegreeOfHydrologicAlterationChart

ImpactYearAndTrendCharts

Scorecard

USGS_Gage_Records – downloaded mean daily flows for three Feather River gages

References Cited

1. Richter, Brian B.; Baumgartner, Jeffrey V.; Powell, Jennifer; Braun, David P. *A Method for Assessing Hydrologic Alteration within Ecosystems*, Conservation Biology, Volume 10, No. 1. August 14, 1996.
2. Buer, K. Y. *Sacramento River Bank Erosion Investigation Memorandum Progress Report*, Memorandum. Page 64. September 23, 1994.
3. Richter, Brian B.; Baumgartner, Jeffrey V.; Braun, David P. *How much water does a river need?*, Freshwater Biology, No. 37, pp 231-249. 1997.
4. California Department of Water Resources *DRAFT North of the Delta Offstream Storage Investigation Progress Report Appendix L: Water Supply and Operations Studies* January 2001.
5. Pike, Shawn; California Department of Water Resources *DRAFT North of the Delta Offstream Storage Investigations, Sacramento River Historic Baseline and Analysis of Potential Diversions with Indicators of Hydrologic Alteration Range of Variability Approach (Appendices on CD-ROM)*, Memorandum. September 30, 2002

11407000 converted to IHA format

1902	1903	1904	1905	1906	1907	1908	1909	1910	1911
2000	1170	1720	2180	1290	1680	1850	1250	2460	1240
2000	1170	1720	2130	1290	1680	1850	1250	2050	1160
2000	1170	1720	2080	1260	1680	1850	1250	2680	1160
2000	1170	1720	2040	1260	1680	1850	1250	2460	1240
2000	1170	1720	1960	1260	1680	1850	1250	1960	1160
2000	1170	1720	1960	1290	1680	1850	1250	1790	1240
2000	1170	1720	2080	1290	1680	1850	1250	1640	1160
2000	1170	1720	2310	1290	1680	1850	1250	1570	1240
2000	1170	1880	4420	1360	1680	1850	1250	1570	1080
2000	1170	2440	10600	1320	1680	1850	1250	1570	1080
2000	1170	2360	26900	1320	1680	1850	1250	1570	1160
2000	1170	2080	8880	1290	1680	1850	1250	1570	2180
2000	1170	1960	5950	1290	1680	1850	1250	1570	1980
2000	1170	1840	4680	1260	1680	1850	1250	1570	1780
2000	1170	1760	4680	1260	1680	1650	5340	1570	1160
2000	1170	1760	4810	1260	1680	1650	3350	1570	1400
2000	1170	1720	4420	1260	1680	1650	2280	1570	1400
2000	1170	1720	4100	1260	1680	1650	1920	1570	1160
2000	1170	1720	4040	1290	1680	1650	1680	2250	1010
2000	1170	1720	4220	1290	1680	1650	1570	2680	1120
2000	1500	1720	3500	1290	1680	1650	1460	2250	1200
2000	1880	1640	2790	1290	1680	1650	1460	1870	1010
2000	1960	1640	2690	1290	1680	1650	1460	1870	1160
2000	3400	1640	2690	1290	1680	1650	1460	1790	1080
2000	3400	1640	2590	1260	1680	1650	1460	1710	940
2000	1430	1640	2490	1260	1680	2060	1460	1870	1240
2000	1430	1640	2490	1260	1680	2060	1350	2050	1240
2000	1430	1640	2260	1260	1680	2060	1350	2570	1010
2000	1430	1640	2260	1290	1680	2060	1350	2460	1500
2000	1430	1640	2360	1290	1680	2710	2530	2800	1500
2000	1430	1640	2490	1290	1680	2490	2040	2350	1500
3000	1430	1640	2690	1290	1680	2490	1680	2050	1500
3000	1430	1640	3180	1290	1680	2270	1570	2350	1400
3000	1430	1640	2960	1290	2280	2270	1460	2250	1320
3000	1430	1760	2790	1290	7560	2060	1460	2150	1320
3000	1430	2130	2690	1260	5360	2060	1350	2050	1320
3000	1570	1960	2690	1260	3330	1850	1350	1570	1240
3000	2040	1960	2590	1260	2280	1850	1350	1710	1240
3000	3340	5800	2490	1260	1840	1850	1350	1960	1880
3000	4040	9500	2400	1230	1840	1650	1350	4340	1680
3000	12400	16400	2310	1230	1840	1650	1350	3420	1590
3000	5950	23200	2540	1200	1840	1650	1350	3290	1680
3000	3920	37000	2790	1200	1840	1650	1250	2680	1980
3000	3340	65200	2690	1200	1840	1650	1250	2350	1980
3000	3560	83000	2590	1200	1840	1650	1250	2680	1780
3000	3450	60400	2790	1230	1840	1650	1250	2350	1590
3000	3450	27100	3450	1230	1840	1650	1250	2150	1160
3000	4160	8200	2960	1230	1840	1850	1250	2050	1500
3000	6250	5500	2900	1230	1840	1850	1250	1960	2080
3000	7920	7300	2900	1230	1840	1650	1250	2800	1780
3000	6250	44800	2690	1290	1840	1650	1460	14400	1680
3000	4810	81500	2590	1570	1840	1650	2530	15100	1590
3000	3230	38100	2690	1500	1840	1650	4460	16300	1680

3000	3120	22300	2590	1500	1840	1650	3860	13000	1590
3000	3120	12400	2490	1460	1840	1650	3060	17800	3100
3000	2900	6960	2400	1430	1840	1650	2400	13700	4610
3000	2490	4810	2400	1430	1800	1650	2040	10100	3100
3000	2130	4220	2690	1360	1800	1650	1920	7760	2510
3000	1960	5220	3120	1360	1800	1650	1800	6770	2080
3000	1800	4940	3230	1500	1800	1650	1800	6080	2080
3000	1640	4810	3340	1570	1760	1650	1680	5250	1880
4000	1500	4810	3920	1570	1760	1650	1680	10700	1780
4000	1640	4680	3560	1540	1760	1650	1680	10700	1780
4000	1880	4680	3450	1430	1760	1650	1920	8600	4300
4000	2040	4550	3230	1400	1760	1650	2400	6770	3860
4000	2590	4550	2900	1360	1760	1850	4460	6530	3600
4000	3010	4220	2640	1290	1760	2060	3060	5660	2740
4000	3920	3800	2590	1290	1760	8310	2660	8900	2620
4000	3920	3680	2490	1260	3260	7400	2280	17400	2740
4000	4420	3620	2400	1260	4730	4640	2280	31000	8340
4000	10600	3500	3400	1260	7120	6530	2160	15500	8060
4000	17000	3400	3400	1260	13800	6530	2040	11700	8060
4000	13700	3280	3340	1290	7120	8620	1920	10400	7280
4000	12400	3180	3120	1290	5840	5430	1920	8900	5690
4000	7560	3010	3060	1360	5360	3890	1920	8040	4610
4000	5800	3230	2960	1430	4120	3150	1680	7250	3730
4000	4810	3680	2790	1400	4120	3150	1570	6530	3220
4000	4160	9080	2690	1400	3260	2870	1680	6080	2860
4000	3560	5800	2540	1400	3260	2730	1570	5870	2740
4000	3340	5290	2540	1400	3010	2590	1460	5450	2620
4000	3340	4940	2690	1400	2910	2730	1350	5060	2400
4000	3230	4740	2790	1360	2810	2730	1250	4870	2510
4000	3120	4550	3060	1360	3360	2590	1350	4690	2290
4000	3120	4160	3980	1360	4010	2590	1570	4340	2180
4000	3010	4040	5080	1360	4010	2590	1920	4020	2080
4000	3010	3920	4810	1400	17400	2590	1680	4020	2080
4000	4160	3680	4290	1400	43400	3600	1680	4020	1980
4000	21000	3620	4040	1430	23500	14200	1680	3860	1880
4000	11100	3500	3680	1430	13000	9600	1680	3710	1880
4000	9290	3400	3280	1500	9360	6500	1570	3710	1880
4000	5500	3230	68400	1540	8360	6000	1570	4340	1780
4000	4810	3620	29900	1540	8000	7700	1570	13700	1880
2040	4160	4550	17000	1330	6520	8300	1920	10800	1750
2490	3920	4940	11800	1330	6020	8600	13000	8620	1750
2490	3560	4160	9720	1300	5840	4800	26000	7280	1750
2040	3560	3860	8200	1330	11600	5000	10700	6550	1750
2040	3680	3340	6720	1240	7640	4400	13700	5890	1750
2040	3920	3230	6250	1240	6260	4000	33200	6100	1750
2040	3920	3120	6250	1240	8540	3800	18600	6100	1750
2040	4040	3010	5650	1240	6260	3600	66700	5690	1670
2040	4160	3010	4810	1300	5900	4000	38700	5890	1670
2040	4160	3120	4420	1360	5420	4000	20700	5490	2100
2040	4040	3500	3450	1570	7330	3540	14800	5120	2200
2040	3800	3500	3340	4290	6520	3770	10700	4940	2640
2040	3560	3340	3230	9830	6020	4250	17000	4770	3900
2040	3560	3280	17600	12800	5840	13700	118000	5690	6420
2040	3340	3120	18000	12500	11600	7440	131000	7020	4880
2040	3340	3230	10300	54100	7640	6330	137000	7020	2990

2040	3340	3500	6400	28000	6260	6060	74800	5490	2530
2040	3120	3860	6250	96300	6080	6060	57700	5120	2310
2040	3120	3920	9720	76100	5060	7730	45300	4940	2100
2040	3010	3500	8200	35100	4730	14400	62500	4940	18100
2040	3010	3340	9610	22400	4290	16300	76700	4610	7230
2040	7300	3500	24600	14600	3960	12600	52000	5300	6680
2040	8980	3500	25400	11400	4400	10800	35400	6780	5270
2040	14000	3400	18900	9640	4340	9520	27000	14700	11400
2040	28200	3280	16300	8360	5060	9210	24200	9200	20600
2040	22100	3180	12700	7640	6260	8310	22400	9200	14600
2040	26900	3120	10900	6520	9450	9210	19800	8060	9580
2040	14400	3010	9830	6580	12400	8020	17800	7540	17500
2040	10700	3010	9080	6520	11600	6330	16600	7020	11400
2040	10900	2900	8580	6520	10500	5520	16300	6780	32300
2040	9290	2960	8400	6260	11600	5000	15500	6550	75400
2040	8680	3010	15200	5600	19600	9210	14800	6780	35900
2040	7560	3120	22300	5060	50500	14400	14800	6550	24400
2040	8680	3060	18000	4730	78500	16300	18600	6320	22800
2040	7920	3120	13800	4730	59500	14000	16600	5890	17000
3010	7040	3980	13400	4780	50500	9210	16600	5490	14600
3560	5500	3740	13600	5300	39200	7730	15100	5490	12400
13700	5800	3500	10700	5420	31000	6330	17800	7020	11400
18000	6250	3450	9720	5480	25100	6060	14800	6100	10000
22100	5500	3340	8780	5600	20700	6060	14100	6550	8800
18900	5220	3230	8300	5780	17600	5790	13700	6100	8450
16100	5220	3280	7920	5840	14300	5790	15100	5690	11900
16300	5220	13700	7470	5960	11600	5520	36500	5690	8800
11700	4940	9180	6880	6080	9090	5000	26500	5490	10400
9400	4940	6960	6400	10400	8540	4750	19800	6550	8450
24400	4550	23900	6100	14000	8180	4750	18600	6550	7520
22100	4550	94000	6100	11800	7640	4500	18200	6100	6680
28200	4160	60000	7650	10100	14300	4250	27000	5890	6420
18000	4160	24900	7650	16300	12900	4010	28000	5890	6420
13700	4160	18700	7210	19200	11600	3770	23800	8060	6170
12400	3920	15400	10600	17600	10700	3770	22400	7020	5930
13700	3920	15800	11700	17800	10100	4010	19000	6550	5930
16100	3920	69300	10500	18200	10100	4250	16600	8060	5480
15200	4160	57000	9720	17200	16300	4250	15900	8620	5480
34600	4160	106000	9500	16300	12400	4500	15500	12700	5480
31100	4160	77800	9290	17200	15900	4500	14800	21000	5270
36400	4160	63400	9080	16000	14400	5000	13700	15600	5070
36400	4160	54000	9080	18400	12100	5260	13400	12700	4880
26900	4160	37400	8880	19900	10700	5790	13000	12700	4700
999999	999999	28500	999999	999999	999999	6330	999999	999999	999999
20000	4160	23900	8680	15500	11600	6330	13000	14700	4480
18900	4160	25400	8680	12900	13100	6060	12700	16000	5930
15200	5500	26400	8780	12900	16800	5790	14100	18400	5930
13000	4810	31400	9940	12600	19200	5520	22400	19000	9580
12400	4810	28500	10500	13200	23800	5520	19400	19000	10900
12000	4810	25600	9720	10200	14600	5000	18200	19000	16400
11300	4800	25800	8080	10000	12700	4750	16300	19000	41500
11700	4810	48400	8490	10000	9450	5000	15100	18000	24400
13000	4810	43400	8400	9740	10300	5000	14100	17000	17500
12200	4810	50800	8110	9640	12800	5000	13000	17400	15200
12200	4810	40400	8300	10000	11800	5000	12300	17400	13000

9830	4810	27400	10700	10200	11600	5000	12000	17000	11400
8680	7470	25400	18000	18400	10100	5000	11700	16500	10400
8200	11600	24900	16800	15200	9350	6600	12000	16500	10000
7830	9290	26600	15100	17000	8720	8020	12300	15600	10000
7740	9080	24400	13200	15500	8540	8610	12700	14700	10000
7920	7040	52000	12100	13200	34800	9210	13400	15200	10400
8300	7040	95000	13400	13000	144000	10500	13700	16500	10900
8110	6720	88000	28200	12600	187000	11200	13400	26600	11400
8490	6250	82000	22600	18400	120000	10800	13000	27900	12400
8490	6250	59600	22600	18800	92500	9210	13000	29200	13500
7920	6100	43400	20800	19000	65200	9210	12700	27200	15800
7920	7040	35000	20200	26000	58000	8910	12000	24300	17000
7740	7040	29900	19700	48100	40100	8910	11700	20000	19900
7560	6250	25600	16800	48100	34000	8610	11400	17000	20600
7380	7380	23900	14600	53200	30200	8310	11000	15200	19900
7210	10400	23200	13800	39500	27800	8020	11400	14300	19900
7040	14000	36400	15200	35100	26800	8020	11400	12700	20600
7040	25600	59600	19500	29000	26800	7730	13000	12300	22800
6880	93000	46400	17200	40900	26000	7160	12300	11600	27000
6880	63400	33900	13600	51400	26000	6600	11700	11200	30500
7920	42600	27400	11800	34800	26000	6330	12000	12300	33200
8880	34600	25400	11200	27500	26000	6330	12000	13100	37700
11100	29900	25600	11500	26500	27200	6060	12700	13500	39500
17000	23200	25100	11300	24200	26000	5520	13700	12700	39500
31100	20200	23900	11200	22000	26000	5260	13400	12300	41500
38100	17800	24600	11100	22400	25600	5790	13000	12700	65100
38100	17800	24400	11100	15300	25600	6330	12700	12700	48500
26900	17800	23500	11200	14700	28600	6330	13000	12700	39500
21900	17800	24400	11100	14700	27500	7160	13000	13600	36800
19300	17800	25100	10900	19200	27000	7440	13700	13900	35900
14300	17800	27900	10600	18000	27000	7730	14100	14700	28700
13400	17800	29600	10400	19200	28000	8310	14400	13100	22800
12900	17800	32500	9940	16700	29100	9210	14800	12300	19300
12600	17800	40400	9940	17000	29600	10800	16300	11900	17500
16600	17800	39600	9940	18000	31100	12600	17400	11900	15800
23200	17800	33200	9720	18000	33800	14400	18200	12300	15800
21000	17400	29300	9720	18200	40400	12600	19000	12700	17000
18900	17000	25100	9830	18000	39800	11800	19800	12700	18700
15200	16600	28200	10000	18200	42000	10800	20200	13500	22000
14900	16300	25400	9610	19400	38200	10500	19800	13500	22000
16300	16300	23300	8780	19200	34300	11200	19400	13100	22000
13700	15900	20600	8300	20500	31600	11800	18200	12700	22800
15200	15900	18500	8490	21700	30100	12600	17400	12700	26200
11600	15600	18100	8780	20500	27500	11500	16600	12700	30500
10600	15600	17600	9180	17600	26300	10800	15900	12700	35000
9940	15200	17200	9500	16200	26000	9840	16600	12700	37700
9720	14900	16800	9830	14600	26000	9210	17400	11900	35000
9500	14600	16800	9940	15000	26000	9210	17400	11600	30500
11100	14300	15900	9720	14100	26000	9210	17000	10800	24400
10600	14000	15200	9500	14300	25500	9520	16600	10500	22000
12600	13700	14800	9180	16300	25100	9210	16300	9830	22000
9940	13700	14400	8980	17400	24600	8610	17000	9510	22000
9290	13400	14400	8780	20900	24600	8020	17800	9510	22000
9080	13200	15200	8580	19600	24100	7730	18200	8620	27800
8880	12600	16600	8400	21500	26000	7440	18600	8060	31400

11100	12600	16800	8020	21700	25500	7440	17800	7800	30500
12400	12100	18000	7830	22400	25100	7440	17400	7800	26200
12100	11500	18700	7650	21700	25100	7160	17400	8060	23600
12100	11300	19100	7470	22000	24600	7160	17000	8340	22000
12100	11200	20000	7300	21700	24100	7160	16600	9200	21200
11800	11000	22100	7210	20300	24100	7160	15500	8620	21200
12900	11200	23500	7040	19400	23200	7440	14100	8060	22000
13700	10700	24600	6800	16700	21800	7730	13700	7800	22800
13200	10300	23900	6880	15000	21300	7730	13400	7540	22000
12400	9610	23900	7300	19700	20900	7730	13400	7280	21200
12100	9940	22300	7830	15300	19600	8020	13000	7020	20600
11800	8780	21900	8110	12800	19200	8310	12300	6780	18700
10600	8400	21200	7920	14000	19200	8610	12300	6550	18100
9940	7830	18500	7830	12600	21300	8910	12300	6320	19300
9500	7210	18000	7740	11700	28600	8910	12300	6100	18700
8880	7120	17000	7740	12600	28600	9210	12700	5890	19300
8680	7120	20000	7560	10700	28000	9210	12000	5890	22000
8490	6960	20400	7560	10700	27000	9210	11400	5490	24400
8490	6720	19300	7560	10300	26000	9520	11000	5300	25300
9940	6320	19100	7470	11600	23600	9840	11400	4940	22000
11100	6180	19700	7380	22000	21300	9210	11700	4770	19900
10900	6180	15800	7210	22600	21800	8610	11400	4610	19300
10600	6180	15200	7040	25300	21800	8310	12000	4450	19300
9940	6250	13800	6960	20300	21300	7730	11700	4300	19900
9500	6320	13700	6800	17600	20400	7440	11400	4000	19900
8880	6480	13400	6480	17000	17000	7160	11400	3860	21200
9940	6640	13200	6100	16500	18300	6590	12000	3730	19900
8880	6400	12700	5880	15300	17000	6320	12300	3600	22000
7920	6020	12700	5800	18000	15400	6320	12700	3470	22800
7560	5650	12500	5800	26000	15000	6590	12700	3340	22800
7380	5500	11700	5720	20300	15800	6590	12000	3220	22000
7380	5360	11300	5500	18800	15800	6870	11700	2980	22000
7040	5290	10900	5430	16200	15800	6060	11400	3220	22000
7040	5150	10300	5430	13200	16200	6060	10700	3100	22000
6880	5010	9720	5360	15600	16200	5810	10400	2980	19300
6720	4880	8980	5220	14100	17000	5570	10100	2620	19300
6720	4740	8680	5080	15000	17000	5570	9800	2740	19300
6560	4620	8400	4940	15200	17400	5340	9500	2620	19300
6250	4740	8020	4740	18000	26000	5340	9200	2620	18700
6100	4100	7740	4420	16900	22200	5110	8900	2620	18700
5080	3980	7470	4290	13600	20400	5110	8900	2620	17000
5500	3980	7300	4040	13000	17000	5110	8600	2510	15800
5220	3980	6960	3920	15800	17400	5110	8600	2510	15800
4810	3860	6640	3800	13700	17000	5110	8320	2400	15200
4550	3620	6250	3680	13200	15400	5340	8320	2400	14600
4550	3500	6020	3500	12200	13900	5340	8040	2400	13500
4290	3450	5880	3230	13600	12400	5340	7760	2400	13000
4290	3340	5720	3180	11000	12600	5110	7500	2290	10900
4160	3280	5430	3060	10800	12000	4890	7500	2180	9580
4160	3180	5150	3010	9170	11700	4890	7250	2180	8800
3920	3060	4880	2900	9080	11300	4670	7010	1880	8130
3560	2960	4740	2790	8900	11000	4460	6770	1980	8130
3450	2900	4480	2590	8720	10300	4050	6530	2080	7820
3340	2960	4220	2490	7820	9920	3860	6080	2080	7230
3230	3060	4160	2400	7480	9590	3510	6870	1980	6950

3010	2960	4220	2310	7260	8940	3350	5450	1880	6950
2900	2840	4100	2130	6390	8000	3200	5250	1880	6680
3010	2740	3980	2130	6260	7700	3060	5060	1780	6170
3010	2640	3920	2130	7330	7400	2920	4870	1590	6170
3010	2590	3980	2080	6980	7110	2660	4690	1880	5930
3010	2540	3860	2040	6840	7110	2530	4510	1780	5700
2900	2440	3740	2040	7120	6820	2530	4340	1680	5480
2690	2440	3680	2000	6980	6820	2530	4020	1680	5270
2490	2440	3500	1960	6780	6820	2530	3860	1680	5070
2490	2440	3400	1960	6650	6820	2530	3710	1780	4700
2400	2440	3340	1920	6390	6820	2400	3560	1590	4700
2400	2440	3230	1880	6390	6530	2400	3420	1400	4360
2310	2360	3180	1880	5780	6530	2400	3290	1500	4050
2220	2310	3060	1840	5600	6250	2400	3290	1780	3900
2220	2260	3010	1840	5480	6250	2280	3160	1680	3760
2130	2220	3120	1800	4500	5970	2280	3040	1680	3620
2040	2220	3010	1800	4500	5970	2280	2920	1590	3490
1960	2220	3010	1760	4000	5970	2280	2920	1780	3490
1960	2220	2960	1760	4000	5970	2160	2920	1680	3490
1880	2220	2790	1720	3500	5970	2160	2920	1590	3230
1880	2130	2740	1720	3500	5700	2160	2920	1590	3230
1800	2130	2690	1720	3500	5430	2160	2800	1500	2990
1880	2130	2640	1680	3000	5160	2160	2680	1500	2870
1800	2130	2590	1640	3000	5160	2040	2570	1400	2640
1800	2080	2540	1640	3000	5160	2040	2460	1500	2640
1720	2040	2490	1640	3000	4900	2040	2350	1500	2640
1720	2040	2440	1600	3000	4900	2040	2350	1500	2420
1720	2040	2400	1600	2500	4640	1920	2350	1500	2420
1640	2040	2360	1570	2500	5160	1920	2350	1400	2310
1640	2040	2310	1570	2500	4390	1920	2250	1400	2200
1640	2000	2260	1540	2500	4390	1920	2250	1400	2100
1570	1960	2260	1540	2500	4140	1920	2250	1400	2100
1570	1960	2220	1500	2200	3890	2040	2150	1500	2100
1570	1960	2220	1460	2200	3890	2040	2150	1590	2010
1570	1960	2220	1460	2200	3890	2040	2050	1400	2010
1540	1960	2180	1430	2200	3410	1920	2050	1320	1920
1500	1960	2180	1400	2200	3170	1920	1960	1240	1920
1500	1880	2130	1400	2200	2940	1920	1960	1320	1830
1500	1880	2130	1400	2200	2940	1920	1960	1320	1830
1500	1880	2000	1360	2200	2940	1800	1960	1400	1830
1500	1880	2040	1360	2200	2940	1680	2050	1400	1750
1500	1880	2130	1320	2200	2710	1570	2150	1400	1750
1500	1880	2000	1320	2200	2710	1350	1960	1240	1750
1500	1800	1960	1320	2200	2710	1350	1790	1400	1750
1500	1800	2040	1320	2200	2710	1350	1710	1400	1590
1500	1800	2040	1290	2200	2710	1350	1710	1400	1510
1500	1800	2040	1290	2200	2710	1350	1710	1500	1510
1500	1800	1960	1290	2200	2710	1350	1640	1320	1670
1500	1800	1960	1320	2200	2490	1350	1640	1240	1510
1500	1720	1880	1320	2200	2490	1350	1640	1240	1510
1500	1720	1920	1320	2200	2490	1350	1710	1320	1510
1500	1720	1880	1360	2200	2490	1350	1790	1400	1670
1500	1720	1880	1360	2200	2490	1350	1640	1400	1670
1430	1720	1880	1360	2200	2270	1350	1640	1500	1590
1430	1720	1880	1430	2200	2270	1350	1570	1400	1510

1430	1720	1880	1430	2200	2060	1350	1570	1400	1510
1360	1720	1960	1360	2200	2060	1350	1710	1400	1750
1360	1720	1960	1290	2200	2060	1350	1710	1320	1430
1360	1720	2000	1290	2200	2060	1350	1640	1400	1430
1360	1720	1960	1290	2200	2060	1250	1640	1320	1350
1290	1720	1880	1260	2200	2060	1250	1570	1240	1350
1290	1720	1880	1290	2200	1850	1250	1640	1080	1350
1290	1720	1880	1290	2200	1850	1250	1640	1010	1270
1290	1640	1880	1260	1760	1650	1250	1640	1010	1270
1290	1640	1880	1230	1760	1650	1250	1640	1080	1270
1290	1640	1840	1230	1760	1650	1250	1640	1080	1350
1230	1640	1800	1230	1760	1850	1250	1640	1160	1270
1230	1570	1800	1230	1760	1850	1250	1790	1160	1270
1230	1570	1800	1260	1760	1850	1250	1960	1160	1350
1230	1570	1720	1260	1760	1850	1250	1710	1080	1350
1230	1570	1720	1290	1760	1850	1250	1790	1080	1350
1230	1570	1640	1290	1720	2710	1250	1790	1080	1350
1230	1570	1640	1290	1720	2270	1250	1570	1080	1270
1230	1570	1640	1290	1720	2060	1250	1710	1080	1270
1170	1570	1640	1260	1720	2060	1250	1500	1160	1270
1170	1570	1640	1260	1720	2060	1250	1790	1160	1350
1170	1570	1570	1230	1760	2060	1250	1640	1320	1350
1170	1570	1600	1230	1760	1850	1250	1710	1400	1350
1170	1570	1570	1230	1760	1850	1250	1790	1320	1430
1170	1640	1570	1200	1760	1850	1250	1710	1240	1350
1170	1640	1540	1200	1760	1850	1250	1710	1240	1270
1170	1640	1570	1200	1760	1850	1250	1870	1240	1270
1170	1640	1640	1230	1720	1850	1250	1960	1240	1200
1170	1570	1720	1230	1680	1850	1250	1570	1160	1200
1170	1570	2040	1230	1680	1850	1250	1640	1160	1270
1170	1570	4420	1260	1680	1850	1250	1640	1160	1270
1170	1570	5220	1260	1680	1850	1250	1870	1160	1350
1170	1570	5080	1230	1720	1850	1250	1870	1160	1270
1170	1570	4220	1230	1680	1850	1250	2050	1240	1200
1170	1570	3920	1230	1680	1850	1250	2250	1240	1670
1170	1570	2790	1800	1680	1850	1250	2350	1160	1270
1170	1570	2540	1500	1680	1850	1250	2680	1160	1270
1170	1640	2220	1290	1680	1850	1250	2050	1160	1350

1912	1913	1914	1915	1916	1917	1918	1919	1920	1921
1200	940	1040	1800	2170	2450	2180	1540	2250	1230
1270	940	1020	1800	2120	2760	2150	2050	2300	1170
1270	940	1020	1840	1920	2910	2200	2150	2150	950
1270	940	1020	1800	1970	2930	2130	2350	2050	1160
1350	1110	980	1890	2120	2800	2180	2050	1630	1220
1270	1020	1000	1840	2020	2800	2210	2050	1900	1500
1270	980	980	1800	1970	3230	1950	2100	1950	1630
1270	1020	1040	1760	2020	3140	2180	2450	2000	1500
1510	1020	1060	1800	1970	3050	2220	2400	2050	1340
1510	1060	1060	1980	1970	2960	2210	2450	2050	1150
1430	1020	1060	1980	2070	2870	2220	2450	2000	1370
1350	940	1040	1890	2020	2790	2210	2300	1580	1730
1270	980	1060	1840	2020	2700	2220	1900	2000	1630
1350	845	1040	1800	2070	2620	1950	2100	2050	1500
1270	845	1020	1710	2220	2520	2210	2300	2050	1420
1270	845	1040	1710	2120	2440	2220	2940	2050	1370
1270	940	1040	1890	2070	2410	2180	2830	2050	1100
1270	940	1040	2400	2070	2410	2160	2660	2000	1700
1200	940	980	2630	2120	2380	2190	2450	1500	1860
1130	1020	1040	3420	2020	2460	2170	1950	1900	1610
1130	1020	1060	2630	2020	2360	2010	2250	2050	1540
1430	875	1040	2290	2070	2180	2270	2350	2100	1530
1270	1060	1060	2240	2020	2320	2220	2350	2050	1370
1670	1110	1040	2130	2220	2440	2210	2350	2000	1550
1430	940	1000	2080	2120	2400	2210	2350	2100	2040
1430	1220	980	2180	2070	2440	2240	2250	1630	2180
1350	1160	1020	2130	2070	2490	2170	1720	2050	2270
1350	1110	1000	2080	2120	2430	2050	2150	2200	2330
1350	1110	1060	2130	2120	2300	2150	2300	2150	2220
1350	1290	980	2240	2020	2390	2130	2350	2200	2240
1430	1160	980	2290	1560	2380	2130	2350	2200	1590
1270	1110	1220	2290	2420	2430	2120	2400	2150	2120
1430	980	1710	2520	2170	2550	2100	2300	1720	1820
1430	940	1260	2400	2120	2440	2060	1860	2100	1710
1510	1370	1410	2290	2170	2630	2110	2560	2200	1780
1430	1110	1290	2290	2120	3460	2260	2500	2300	1730
1590	6370	1580	2240	2120	3140	2680	2560	2250	1650
1060	8400	1530	2180	2070	2870	2360	2500	2250	1270
1130	8400	1450	2130	2220	2540	2280	2560	2300	1580
1270	3110	1260	2240	2640	2390	2320	2450	1810	1890
2100	7800	1140	2180	2470	2420	2240	1860	2200	1890
2420	4490	1260	2180	2370	2430	2130	2000	2050	1830
1750	3620	1760	2240	2270	2240	2440	2350	2100	3720
1670	2870	1620	2180	2270	2320	2410	2450	2100	8510
1750	2400	1660	2240	2220	2340	2320	2560	2200	4530
1670	2870	1530	2240	2320	2330	2210	3760	1950	3380
2100	2750	1330	2460	2370	2320	2250	3100	1630	9110
1750	2080	1330	2290	2470	2350	2200	2250	1900	10800
1670	1890	1710	2400	2420	2410	1920	2560	1860	29200
1670	1620	1940	2400	2420	2180	2120	2500	1810	49600
1830	2520	1800	2400	2370	2320	2000	2660	1810	21200
1590	1980	1840	2290	2320	2380	2180	2780	1810	10700
1510	1980	1660	2290	2370	2410	2100	2720	1810	10400

1510	1980	1490	2400	2420	2450	2100	2830	1300	7750
1510	1800	1370	2400	2860	2500	2050	2610	1420	6000
1350	1710	1410	2400	2740	2600	1880	2780	1460	4670
1510	1620	1710	2460	3250	4920	1980	2780	1300	10700
1430	1620	4330	2570	2860	4150	1940	2830	905	20700
1270	1710	3360	3230	2470	2650	2000	2100	1150	11400
1270	1800	2750	2870	2420	2850	1880	2660	1180	8350
1430	1450	2400	2690	2370	2640	1990	2200	1150	6620
1270	1530	2030	2570	2370	2800	4650	2200	1380	6200
1270	1530	1760	2630	2370	5810	2730	2660	1630	13400
1270	1530	1660	3170	7160	11100	2050	2780	2150	8350
1270	1530	1580	3230	8650	20000	2350	2830	2150	7150
1200	1450	1450	3560	4350	9700	2210	2830	2150	5980
1350	1290	1450	3110	3850	8040	2140	2940	2200	5470
1350	1290	1450	3110	3610	5460	2050	3000	1630	5720
1430	1370	1370	3050	3130	4390	1980	2400	1810	6680
1350	1160	1370	3110	3970	3960	1940	3160	2000	6980
1430	1160	1260	3420	3610	3630	1910	3000	2250	8650
1350	1160	1580	4100	3130	3600	1880	2830	5490	14600
1350	1160	1710	3750	3130	3350	1930	2830	4370	11000
1350	1220	2180	3360	13300	3300	1980	2830	2940	7750
1350	1290	2130	3170	10800	3280	2030	2720	2150	6280
1430	2870	1980	2990	5670	3180	2080	2100	2300	5500
1430	3360	1840	2990	4350	3200	2130	2450	2150	5000
1590	2990	1760	3050	3610	2830	2170	2560	2050	4670
1510	2630	1660	3110	3250	3050	2040	2560	2000	5730
1510	2400	1530	3070	2860	2870	1970	2560	2000	20500
1510	2180	1530	3030	2860	2940	1880	2660	2830	14200
1430	1980	1580	2990	2800	2930	1800	2940	2100	9300
1510	1760	5410	2870	2860	2900	1600	2100	2400	7450
1510	1710	4330	2870	2860	3500	1550	2000	2720	6440
1510	1660	4830	2870	2910	4100	1650	2400	2660	8350
1430	1620	14600	2750	2910	3570	1720	1720	1950	7450
1430	1710	7500	2810	2960	3480	4540	2150	2300	6470
1430	1580	4260	2750	2860	3010	5500	2350	2500	5920
1590	1580	3230	2690	2690	3150	2800	2200	1900	5820
1590	1530	2870	2630	2690	3180	2370	1760	2150	5670
1590	1800	8100	2630	2470	3200	2370	2150	2400	8320
1670	1980	88000	2630	2370	2660	2250	2200	2400	13000
1750	2030	69500	2460	2640	2710	2090	1630	1810	10400
1750	1800	65900	2460	3520	3620	2200	2100	2100	8650
1670	1800	40900	2460	31100	3950	2090	2100	1950	8350
1750	1760	24600	2870	15000	4010	2220	2150	1630	10000
1670	1620	18700	2810	8700	4050	2100	1760	1810	15500
1670	1290	15000	3490	6910	3350	1930	2100	2000	17800
1510	1410	14200	3620	5670	3090	1900	1860	1810	14200
1590	1840	15000	5410	6630	3350	1810	1780	1680	11400
1590	1710	13000	4830	7800	3150	1730	1780	1760	9300
2010	1620	11000	3680	6910	3050	1740	1780	2200	8350
2750	1530	9000	3420	5490	2970	1700	2250	1220	7450
2640	1980	9350	3620	5030	3000	1900	1860	1630	6800
2750	3560	10800	4410	5330	2830	1600	1760	1630	6300
2530	6370	26400	7500	10800	2600	1970	2300	1630	5850
2420	6370	20700	5210	6630	2760	1800	2300	1540	5400
2640	5410	15000	4030	5670	2820	1850	2300	1630	5100

3110	4650	15400	3420	6110	2870	1810	2300	1460	13000
3110	10800	16800	3110	6370	2970	1930	2830	1010	43000
4050	8100	13800	2990	5870	3050	1970	3780	1300	33000
4050	5410	11400	2870	5210	2950	1780	6840	1460	20000
4050	4180	13400	2810	5030	2480	1760	4480	1460	16000
3760	3620	27000	2750	5180	2720	1600	3250	1710	13000
2010	3230	22900	2630	17200	2690	1600	3020	1950	10700
2010	2870	32900	2290	21800	2720	1700	3610	2200	11400
2100	2750	47200	2990	25200	2720	1660	3020	2000	10700
16400	2690	48000	3230	18200	2770	1600	2370	1950	10000
12400	2870	29600	4180	13800	2770	1460	2520	1810	11800
4700	2750	21200	10800	11800	2430	1600	2470	1760	13000
4050	2750	17200	11100	10000	3420	1550	2370	1760	12200
3760	2570	15400	10400	8400	3570	1490	2370	1950	17800
3760	2570	13800	11100	7500	3310	1500	2320	1900	13800
3490	2690	13000	27000	6630	2940	1570	2270	1760	11400
3490	2690	11800	43200	6370	2920	1500	1880	2000	10400
2870	2690	10800	22900	7500	2820	1470	2070	2000	9650
2870	2570	10000	14600	10400	2670	1530	2120	2100	8950
2750	2520	9000	10800	11800	2770	1800	2740	2150	9650
2870	2400	8400	8700	13800	2880	12400	3020	2150	8650
2750	2400	8100	7800	16400	2830	8500	6650	2000	7750
3110	2690	8100	13000	18700	2900	4850	7500	1760	7100
3110	2570	7500	19700	16400	2900	3500	16000	1810	6610
2870	2690	7500	16400	29100	2900	2800	31800	1630	6870
3110	2690	7800	12600	32200	2550	2700	44500	1580	7170
3110	2690	7200	9700	24600	3000	2880	17700	1540	8050
2870	2690	7200	8100	19700	2980	2950	11800	1580	8650
3110	2750	7200	6910	17200	2980	3220	10400	1460	14600
3110	2810	7500	6370	16400	2950	2900	8400	1220	15500
2750	2990	7500	9700	15400	3030	2600	6650	1460	13800
2750	3170	7500	22900	15400	3200	3470	6650	1500	12200
2870	3230	11400	21200	15000	2810	2570	5970	1500	10700
2750	3050	21200	15900	15000	3040	2700	5210	1580	9650
2420	2870	34300	13800	14600	3310	2550	4900	1950	8650
2420	2690	55400	11800	15400	8620	2550	4610	1720	14600
2200	2520	33600	11400	15400	12500	3200	5050	1300	11800
2200	2460	25800	11400	14600	9700	4000	4900	1500	10000
2310	2630	20200	11800	14200	37300	4200	4610	1720	9300
2100	2460	17700	11800	13800	71600	3460	4090	1580	8950
2100	2340	16400	10400	14600	36800	2720	6190	1460	8950
2310	2340	14600	9700	18700	21900	2630	5560	1810	9300
2420	2240	13800	11100	18200	15400	2550	5560	3750	10400
2100	999999	999999	999999	16800	999999	999999	999999	2720	999999
2010	2180	13800	10800	15900	11700	2530	5050	3750	11000
2420	2080	14600	9700	13800	10000	2630	8700	6020	11700
2200	2180	14200	8700	12200	8400	2630	9700	4240	13000
2200	2240	13800	8100	12200	7740	2820	6910	3160	14600
2640	2340	13800	8100	17200	6970	2760	5560	2780	17300
10900	2520	14200	7500	14200	6550	2420	5210	2780	18500
7520	2870	15000	7500	13000	6290	3150	5050	2500	17200
5700	3110	16400	6910	12200	6000	3250	4900	2560	14700
4700	3360	16800	6910	11800	6700	2850	4350	3750	12800
4530	3750	17200	6910	13000	5980	3140	4220	4500	12200
4360	4180	17200	6630	15400	5420	5300	3850	3510	11700

3620	4180	17200	6630	18200	5140	6020	3970	3050	11400
5270	3890	18200	6370	20700	5180	4980	4350	3000	21000
4530	3620	18200	6910	21200	5200	4050	4610	3990	20400
3620	3360	18200	7800	20200	4840	3320	4900	4760	17800
3360	3360	18200	8400	20200	4730	3350	4350	3990	15600
3110	3490	19200	8700	20700	4550	3130	4610	3510	15400
3360	4030	19200	9350	22400	4380	9690	4900	3100	18200
3360	4180	20200	10000	31500	4700	15400	5970	3050	18400
3360	3960	20200	9700	41600	4780	9350	5210	3270	15900
3230	4030	19700	9350	38600	4960	7200	5380	7800	14000
3230	5630	19200	9700	31500	5140	6630	5380	9000	15000
3230	5210	19700	10400	25800	4760	6630	5970	6910	14000
3230	4490	19000	11100	21200	4880	6630	6650	5660	12400
3230	4030	18000	11100	18200	4950	14300	7200	4890	12100
3620	3680	18000	11400	17200	5470	26400	8100	4110	11400
4050	3560	16000	11400	16400	5800	23600	9350	4370	10500
4360	3620	14000	20700	17200	7650	17000	6650	3510	10000
4700	3820	13000	23400	18200	11100	14000	10800	3750	9760
4700	4570	12200	18700	17700	14100	13600	12600	3510	9760
3620	5870	10800	15400	16800	11700	13600	15400	3750	10000
3230	7500	10800	13800	16800	9630	13200	15400	3750	11000
3230	9000	10000	13400	16800	8610	12400	15400	3510	13100
4200	8400	10400	14600	17200	8160	10600	15900	3630	14700
4200	9700	13800	15000	17200	8160	8850	16800	3160	14000
4530	11400	20200	13800	17200	9100	7670	21200	4240	12300
4530	11100	19200	12200	16800	10800	7110	18200	4500	10300
4530	10000	18200	11800	17200	12100	7390	13800	5320	9650
4530	9350	18200	11800	17700	15800	7390	11400	5660	9370
5270	9350	21200	11400	18700	15100	14200	10400	8400	9620
5700	9700	30800	12200	19700	12500	18400	10400	6910	11000
5700	10800	24600	12600	23400	20700	15700	12600	5840	12400
4700	11400	20700	13800	23400	28700	14000	13000	5660	12800
4200	12200	20200	14600	20200	20200	12400	12200	5660	13200
4050	11400	19200	13400	18700	16900	10200	10800	6020	12500
3900	10000	22900	13000	19200	13900	9150	10000	16800	11100
3900	8700	24600	13800	19200	12000	8250	10000	19700	10300
3900	8100	21200	14600	20700	10700	8250	11100	13800	9960
4050	8700	20200	15400	20700	9940	8250	14600	10800	9540
3620	9000	20200	15400	18200	9140	8250	14600	8700	9120
3490	9350	22400	15900	17200	9000	8250	13800	8100	9020
3490	9700	21200	14200	16400	9560	8850	13400	7500	9960
3760	10000	19200	13400	17200	21100	9500	13800	6650	11600
3110	10000	18200	12200	17700	29400	10200	13800	6210	12900
2990	10400	16400	11100	17200	26800	9500	15000	5660	13000
3620	10800	15400	10400	17700	25600	8850	14600	5320	12200
4360	11800	14600	9700	18200	25100	8250	13800	5660	11000
3620	12600	14200	10400	18700	23200	7390	13800	5660	11100
3620	11400	13800	12200	19200	20600	6840	13800	6420	12500
4360	10400	13000	14600	17700	18000	7110	15400	7500	14200
7230	9350	12600	14600	16400	15800	7110	16400	8100	15200
8130	8400	13000	12600	16400	14400	7390	18000	7800	16400
7520	7800	13800	11100	16400	13500	7390	18000	6910	15000
7520	7800	15400	10000	16800	13100	7110	16800	6420	13800
6950	8100	16400	9700	17200	13400	7390	16400	6420	12800
6950	9000	17200	9700	17700	14000	7110	15900	6420	11400

6950	10000	16400	10000	18700	14600	6340	14600	6650	10800
8130	10800	16400	10400	18200	16600	6110	13400	7200	10900
8800	11400	17200	11400	15900	16100	6110	13000	7200	12000
9180	14200	16800	19200	15000	17300	5890	12200	7500	12100
9580	13400	15900	44800	14600	16400	5320	11100	6420	12400
9580	11400	15000	65900	13400	17000	5020	9350	6210	13300
9580	10800	15000	60500	12600	16300	4760	8700	6020	14500
9180	9700	15000	44000	12200	16600	5020	8100	6020	15700
9180	9350	15400	30800	11100	17200	4760	8100	6420	16400
9180	9350	15400	23400	11100	15300	4500	7500	6420	15900
8800	9700	14600	21200	11100	13100	4110	7200	6420	16700
8130	10800	13800	28200	10800	13200	3990	6910	6910	14500
7820	11800	13800	28200	11800	13200	3990	6910	6910	13100
7520	12200	13400	23400	13000	12000	3750	6910	6910	11700
7230	11000	13000	19700	12200	11200	3750	7200	7200	11400
8130	10000	13400	18200	10800	10900	3630	7500	6910	12200
7520	10000	13800	16800	10000	10500	3510	7500	6020	11100
7230	10000	13400	16400	9350	10800	3390	7500	5320	12300
6950	10000	13000	16400	9000	10800	3270	6650	5020	12600
6950	9350	13800	14600	8100	11600	3160	6020	4500	13000
9180	9700	12200	14200	8100	10800	3000	5660	4240	13300
10000	9350	11400	15400	7800	10500	2880	5660	4110	13900
8800	9000	11400	15400	7500	10800	2880	5490	3990	13500
8800	8400	11100	15400	7800	12100	2660	5320	3990	11100
8800	8100	11100	14600	7500	12600	2500	4890	3390	10300
8130	7800	11400	14600	7500	12300	2610	4370	3390	10200
7820	7500	11400	14600	7200	10700	2450	3870	3390	9790
7820	7200	10800	14200	6910	10800	2300	3990	2940	10200
7520	6910	10000	13000	6910	10400	2400	3510	2940	9620
7230	6630	9350	12600	7200	9840	2300	3160	2880	9200
6950	6110	9350	12200	7500	9520	2150	3100	2720	9480
6680	5870	8100	12200	7500	9520	2100	3100	2610	10000
5700	5870	9000	12200	7500	9630	2050	3050	2450	10100
4880	5410	8700	12200	7200	9940	2000	2660	2400	9540
4700	5210	7800	11400	8100	10300	1810	3100	2500	8770
4530	4830	7500	10800	7800	10100	1860	2880	2450	8440
4700	4330	7200	10000	7500	8700	1720	2880	2200	8320
4700	4030	6910	9350	7200	7620	1900	2830	2200	7840
4700	3750	6910	8700	6630	7000	1900	2780	1900	7400
4530	3560	6630	8400	6370	6910	1900	2720	2050	6500
4360	3300	6630	8100	6110	6840	1810	2150	2720	5900
4050	3170	6910	7800	6110	6730	1630	2560	2610	6300
3900	2930	6910	7200	5870	6710	1950	2780	2500	5560
3900	2810	6630	6370	5670	6350	2250	2660	2250	5060
3760	2870	6370	6110	5490	6080	1760	2720	2200	4800
3620	2810	6370	5670	5030	5800	1680	2660	1860	4900
3360	2570	6110	5490	4890	5380	1630	2560	1950	4830
2750	2400	6110	5490	4180	5090	1540	1950	2000	4770
2530	2520	5870	5330	4350	5280	1540	2150	2350	4710
2530	2690	6630	5180	4220	5130	1680	2660	1950	4400
2420	2750	6110	4820	4220	4520	1630	2500	1950	4110
2200	2870	5410	4610	4090	4140	1630	2500	1810	3720
2010	2990	5010	4540	4090	3950	1630	2610	1460	4000
1830	2930	4100	4480	3850	4330	1580	2450	2100	3630
1750	2690	3750	4480	3610	3470	1630	2100	1950	3860

1590	2460	3300	4350	3490	3410	1500	2300	1900	3800
1710	2240	3170	4220	4610	3200	1540	2400	2000	3580
1620	2130	3050	4090	5030	3320	1500	2350	1900	3350
1530	2080	2870	3910	4220	3250	1580	2250	1680	2930
1450	2030	2690	3790	3610	2900	1460	1760	1680	2810
1370	1980	2630	3610	3610	3040	1500	1760	1630	3270
1370	1940	2570	3550	3610	3050	1420	1630	1720	2920
1370	1890	2630	3670	3490	3050	1460	2000	1760	3380
1370	1760	2630	3490	3250	2900	1540	2250	1810	3120
1290	1660	2520	3370	3250	2940	1580	2100	1860	3070
1160	1660	2870	3310	3250	2960	1630	2100	1860	2620
1160	1620	3170	3080	3130	2880	1760	2200	1680	2730
1110	1580	2810	3080	3130	2850	1760	2100	1810	2970
1110	1490	2570	3130	3020	2820	1680	1580	1900	2970
1060	1450	2400	3250	2960	2800	1420	2050	1900	2950
1060	1450	2290	3190	2960	2500	1540	2000	2100	2930
1020	1450	2460	3130	2690	2730	1580	2000	2050	2870
1020	1450	2340	3020	2800	2870	1540	2000	2100	2620
1020	1370	2290	2960	2740	2860	1460	1950	1720	2700
1020	1330	2240	2960	2740	2760	1460	2000	1860	2810
1020	1330	2130	2860	2690	2710	1380	1680	1860	2800
980	1370	1940	2800	2640	2640	1180	1860	1950	2800
980	1490	1890	2800	2580	2390	1380	2000	1810	2780
980	1530	1840	2740	2640	2530	1630	2000	1700	2770
1020	1620	1890	2910	2470	2530	1630	2000	1700	2380
1060	1620	1840	2640	2520	2580	1720	1950	1700	2510
1110	1620	1710	2740	2470	2480	1720	1950	1700	2770
1160	1530	1980	2690	2470	2500	1680	1720	1700	2570
1110	1710	2080	2520	2470	2480	1420	2000	1700	2480
1110	1580	2130	2470	2470	2260	1680	2000	1700	2390
1060	1620	2180	2470	2270	2450	1720	2100	1700	2300
1060	1450	2080	2470	2580	2430	1680	2050	1700	2100
1060	1450	1760	2370	2580	2410	1760	2000	1630	2300
1060	1410	1760	2420	2520	2450	1760	2050	1860	2300
1110	1330	1800	2370	2520	2480	1680	1760	1950	2280
1110	1330	1710	2320	2520	2490	1460	2050	1860	2260
1110	1290	1660	2270	2420	2220	1680	2050	1760	2240
1060	1260	1890	2220	2400	2400	1630	2050	1760	2220
1060	1220	1980	2170	2390	2350	1580	2050	1580	2220
1060	1260	1980	2220	2370	2360	1630	2050	1380	2000
1060	1160	1890	2270	2350	2400	1630	1950	1500	2000
1060	1190	2080	2170	2340	2390	1630	1580	1580	1940
1060	1160	1940	2220	2320	2380	1420	1970	1580	1980
1020	1160	1940	2270	2300	2180	1540	1970	1580	1900
1020	1140	1800	2220	2290	2320	1630	1970	1500	1800
1020	1160	1840	2170	2270	2320	1630	1970	1540	1610
1020	1160	1940	2120	2420	2460	1580	1970	1500	1750
980	1140	1980	2170	2370	2400	1680	1970	1680	1750
940	1140	2030	2120	2420	2370	1630	1580	1500	1760
875	1160	1890	2120	2370	2290	1340	1810	1500	1650
820	1110	1890	2120	2370	2390	1540	2000	1500	1720
940	1110	1980	2070	2300	2400	1580	1900	1500	1630
820	1090	1840	1970	2240	2340	1630	1950	1500	1430
875	1040	2180	2070	2170	2350	1720	1900	1180	1600
940	1090	1710	2070	2220	2360	1680	1900	1460	1670

1060	1090	1660	2070	2320	2380	1680	1720	1500	1620
980	1060	1660	2070	2220	2350	1420	1860	1500	1800
820	1060	1710	2070	2220	2180	1580	1860	1580	1770
820	1060	1660	2020	2170	2410	1680	1860	1500	1730
820	1090	1620	2020	2170	2320	1810	1860	1460	1560
820	1110	1710	1970	2320	2320	1860	1900	1180	1720
820	1110	1620	2020	2320	2300	1860	1810	1420	1720
820	1040	1710	1970	2320	2300	1810	1720	1460	1710
820	1060	1710	1970	2320	2250	1420	1680	1420	1710
845	1060	1660	1970	2270	2000	1340	1810	1380	1700
940	1060	1710	2020	2170	2170	1460	1810	1500	1690
1020	1000	1800	2020	2120	2360	1500	1860	1380	1520
1020	960	2240	1920	2220	2310	1500	1810	1150	1690
1110	940	1980	1920	2270	2280	1540	1720	1040	1680
4360	980	1840	1970	2220	2290	1580	1680	1380	1670
2630	1040	1800	2020	2220	2300	1260	1860	1380	1660
1710	1020	1800	1920	2220	2060	1340	1720	1150	1650
1290	1020	1940	2020	2070	2210	1500	1860	1340	1640
1060	1040	1940	1970	2220	2370	1500	1760	1300	1480
1060	1020	1710	2120	2220	2350	1580	1720	1120	1640
1060	1000	1760	2420	2120	2290	2660	1760	1380	1700
1060	960	1840	2370	2170	2310	2780	1680	1460	1650
1060	1020	1800	2270	2170	2270	2000	1760	1340	1680
1020	1020	1800	2220	2120	1970	1900	1860	1300	1620
980	1020	1890	2170	1970	2170	1810	1860	1300	1600
980	1020	1840	2120	2170	2210	1680	1860	1300	1900
980	1020	1840	2020	2170	2220	1680	1900	940	1820
980	1020	1800	2070	2220	2250	1680	1900	1220	1780
940	1020	1890	2020	2270	2240	1580	1680	1180	1750
980	1020	1800	2070	2370	2230	1420	1860	1220	1770
980	1000	1800	2070	2420	2130	1630	1860	1340	1670
1020	980	1800	2120	2320	2320	1630	1860	1340	1540
940	985	1800	2020	2470	2400	1460	1950	1300	1330
940	990	2030	2020	2580	2320	1380	2000	1010	1590
940	995	1940	2120	2520	2350	1340	1810	1180	1630
940	1000	1940	2070	2520	2250	1260	2100	1220	1610
940	1040	1800	2270	2520	2210	1630	1680	1180	1600
940	1020	1800	2320	2520	2000	1580	1900	1260	1660

1922	1923	1924	1925	1926	1927	1928	1929	1930	1931
1560	1240	1570	1110	1950	1930	1710	1400	2180	2540
1300	1400	1710	1140	1860	1880	1430	1480	2200	2420
1570	1780	1710	1110	1660	1850	1750	1490	2180	2400
1550	2040	1910	1110	1350	1680	1890	1480	2200	2320
1600	1880	1810	1030	1640	1820	1860	1520	2160	1600
1610	1710	1740	1380	1960	1800	1880	1460	2050	2060
1600	1520	1690	1420	2130	1680	1900	1320	2170	2350
1370	1320	1850	1390	2020	1810	1760	1270	2200	2390
1160	1580	1760	1410	1740	1560	1340	1480	2160	2380
1240	1700	1720	1380	1600	2560	1770	1500	2220	2420
1410	1760	1670	1230	1480	2200	1860	1500	2180	2380
1520	1800	1720	1150	1980	1960	1870	1500	2100	1800
1470	1860	1530	1220	1930	1640	1900	1470	1920	2060
1550	1720	1340	1520	1860	1620	1960	1320	2200	2380
1410	1320	1710	1260	1800	1610	1860	1310	2160	2460
1710	1620	1700	1320	1770	1470	1400	1420	2180	2460
2140	1740	1800	1350	1640	1580	1770	1640	2160	2430
2540	1730	1800	1220	1440	1880	1940	1660	2130	2440
2350	1680	1800	1400	1600	1730	1950	1690	2210	2390
2460	1700	1800	1340	1650	1620	1970	1740	2040	2370
1820	1600	1700	1330	1660	1600	1960	1560	2200	2450
1300	1360	1700	1320	1650	1690	1840	1710	2220	2470
1170	1660	1700	1330	1670	1560	1450	1760	2200	2430
1400	1650	1700	1420	1620	1500	1860	1750	2180	2450
1530	1680	1700	1270	1300	1540	2010	1700	2130	2430
1580	1640	1700	1280	1560	1650	2030	1680	2080	2200
1840	1960	1700	1280	1590	1650	2280	1600	1810	2390
1690	1900	1550	2320	1560	1620	1990	1440	2100	2420
1650	1360	1550	5560	1540	1620	1620	1500	2070	2420
1450	1600	1770	2380	1560	1500	1580	1600	2040	2420
1480	1630	1910	1870	1530	1440	1840	1650	2060	2440
1640	1760	1770	1640	1320	1480	1500	1580	2080	2420
1600	1740	1710	1550	1600	1580	1620	1550	2050	2320
1580	1670	1640	1550	1750	1560	1610	1910	1740	2420
1560	1700	1330	1550	1780	1610	1460	1840	2080	2400
1490	1390	1670	1550	1740	1590	1420	1580	2060	2540
1280	1550	1750	1550	1720	1490	1280	1830	2030	2520
1280	3760	1710	1550	1670	1440	1600	1900	2020	2360
1550	4800	1740	2680	1420	1500	2610	1790	1990	2350
1540	4330	1700	7180	1630	1630	11500	1740	1860	2530
1570	4360	1670	6410	2160	1660	13600	1600	1540	2460
1300	3780	1190	3070	2030	1640	4260	1550	1680	2560
1400	2820	1520	2510	2740	2390	2940	1520	1840	2420
1320	2740	1840	2100	2740	2580	7880	1860	1860	2600
1440	2560	1840	1940	2400	2110	5540	2540	1880	2760
1560	2380	1850	1860	2000	1740	4120	2320	1890	2600
1600	2480	1750	1600	1940	1900	3340	1860	1790	3180
1560	2430	1760	1660	2420	1860	3000	1700	1500	4630
1590	2270	1220	1650	2300	1860	2640	1560	1800	2600
1490	2740	1710	1650	2180	2210	2660	1570	1860	2700
1290	2100	1800	1650	2020	3470	3920	1540	1820	2680
1570	2080	1800	1650	2000	2380	6780	1500	1540	2570
2060	1980	1840	1650	1770	4520	4480	1610	1420	2440

2230	1960	1780	1650	1820	11600	3190	1520	1400	2240
1740	1940	1690	1650	1920	32800	2820	1540	1300	1580
1910	1850	1230	1650	1900	18600	2690	1380	1490	2360
2040	1380	1400	1650	1820	18200	3180	1480	1460	2320
1740	1670	1510	1650	1810	24300	2850	1560	1440	2240
2050	1700	1470	1650	1900	18600	2780	1540	1320	1380
1970	1810	1240	1650	1820	19400	3360	1470	1400	2000
1980	1800	1520	1650	1820	16300	2820	1360	1440	1940
2240	2000	1590	1800	2990	12200	2820	1540	1370	1440
3280	2000	1300	1800	6340	10600	2550	1500	1400	2320
2120	2000	1320	1800	3620	11900	2340	1520	1340	2360
1650	2240	1490	1800	2600	8900	2070	1560	1320	2360
1990	2250	1450	1800	2350	7080	2040	1520	1380	2400
2500	6660	1460	1800	2240	6120	2160	1470	1390	2400
2700	5880	2370	1800	2000	5500	2100	1560	1220	1980
2560	4960	1830	2600	2060	4790	2100	1540	1200	1940
1770	3660	1500	2440	2040	4370	2140	1380	3140	2110
1830	7280	1280	2190	2060	3880	2400	2020	19000	2380
1500	7940	1450	2100	2000	3640	2000	2640	17700	2440
1740	13000	1530	1900	1920	3500	1600	2280	42900	2380
1910	17000	1520	1860	1720	3180	4000	2230	62200	2420
2020	12600	1720	1810	1740	3240	7000	1900	36200	1790
1930	8060	1620	1840	1830	3120	4200	1780	73400	2060
1930	6420	1190	2110	1820	3000	2500	1560	38400	2120
1890	5830	1820	1960	1770	2980	2040	1560	17100	2170
1820	5360	1630	1870	1980	3180	1880	1600	12000	2170
1730	4920	1670	2800	2200	2800	1720	1640	9300	2290
2300	4350	1580	2800	1950	2620	1900	1700	7400	2340
2420	4130	1640	2800	1810	2920	1920	1640	6300	1820
3370	3830	1790	2800	1910	2810	1960	1620	5740	2090
3720	4060	1140	2800	1930	2740	1940	1510	4670	2400
4880	4080	1420	2190	1930	2480	1780	1530	4550	2560
5660	3750	1240	1770	1700	2350	1930	2360	3740	1860
7120	4240	1350	1610	1580	2160	1540	2160	3520	2360
9860	5700	1450	1860	1520	2120	1840	2060	3420	2560
6140	13500	1360	1940	1660	2400	2560	3000	3320	2230
3840	8120	1300	2080	1780	2360	5440	3000	3220	2260
3490	7340	1330	3800	1770	2270	3460	2460	3020	2340
4140	10000	1400	4110	1760	2320	2980	2100	2930	2330
5740	8980	1260	3100	1580	2200	2970	2000	2750	2680
8950	6920	1030	2680	1340	4680	3580	1960	2660	3340
5580	5840	1480	2490	1680	8640	4080	2130	2570	2910
4260	5500	1630	2320	1590	7600	3990	2080	3890	2460
3380	6040	1450	2290	1550	6580	3580	1900	5240	2800
3630	5120	1130	2360	1840	10000	3380	1800	4430	2640
3290	4800	1290	2280	1580	7860	3020	1730	4310	2600
2580	4720	1440	2180	1600	6340	2890	1800	3630	2400
3020	4460	1440	2090	1540	5300	2920	1800	3520	2640
2630	3920	1440	2030	1280	4950	3060	1860	3420	2500
2810	3760	1440	1890	1340	5500	3040	1840	3120	2500
2760	3500	1440	1760	1530	5500	3000	1780	3120	2570
2720	3490	1150	2000	1530	4790	3070	1740	3020	2620
2660	3080	1280	2230	1700	4370	3120	1860	3120	2570
2530	3070	1350	2150	1940	4500	2820	1960	3220	2550
2410	3100	1500	2080	1880	5120	2580	1940	8180	2620

2540	6180	1500	1900	1820	4370	2690	1900	8180	2740
2400	7000	1500	1840	1760	4370	2620	1980	9900	2640
2190	6300	1500	1750	1690	4640	2600	2240	7660	2500
2300	5660	1400	1920	1630	6340	2590	1920	6960	2590
2200	4880	1400	1960	1570	5300	2460	2020	6520	2580
1980	5380	1400	1960	1560	4240	2680	2020	5560	2700
2020	7440	1400	2000	1560	3750	2790	1960	4940	8270
2110	6050	1400	2100	1540	3630	2940	1920	4670	5690
2380	5190	1400	2960	1420	3630	2810	1990	4550	3790
2600	4790	1400	2760	1550	3630	2720	1930	4190	3060
2520	4300	3010	2920	1520	3870	2680	1800	4310	2960
2350	4570	4560	3600	1790	5900	2640	1960	4190	3040
1960	4420	2760	3280	9240	6340	4240	2260	4070	3020
1920	4100	2280	3400	6820	5120	6100	2560	4190	2830
2670	3820	2090	4290	12900	4500	5410	2540	4310	2780
2600	3640	2020	3710	10300	4640	5180	2510	3960	2560
2250	3520	2880	3400	7080	6580	9000	4830	4430	2800
2370	3500	2380	7000	12100	21300	16300	6540	4800	2870
2250	3300	2030	39200	36900	25800	18700	11600	4800	2560
2200	3260	2040	37900	30200	16300	12200	7140	4670	2410
2380	3340	2500	48400	20000	13800	9250	5860	4940	2400
2440	3340	20100	25800	13600	12600	7700	4220	5560	2350
3810	3430	31200	20400	10500	10300	6750	3400	5740	2260
10400	3310	10900	13800	8500	8900	6060	3140	5740	2300
8350	3100	6580	10300	8500	7600	5470	2730	5560	2260
6080	3020	4790	9160	8500	6820	4880	2620	5560	2320
4200	3440	4010	10300	9060	6120	4420	2680	5560	2280
3500	3340	3530	10000	7980	5500	4160	2560	5560	2320
3250	3300	3200	8900	7740	5900	4200	2620	5400	2840
3150	3260	2980	7860	7280	9440	4110	2510	5560	2760
3910	3280	2690	6580	7980	22100	3890	2480	5560	2500
4300	3130	2360	6120	6620	26300	3690	2340	5400	2480
7490	3050	2220	5540	5880	37900	3600	2340	5560	2480
24100	3460	2280	5200	9460	30200	3400	2500	5560	3700
20600	3340	2230	6340	10500	29100	3360	2480	8180	2940
11300	3660	2180	8640	7500	80300	3470	2560	7660	2660
8700	3920	2030	7340	6230	60000	3290	2410	10200	2380
7140	4310	1870	10300	5880	38700	3330	2390	12400	2240
6440	4580	1900	8640	5540	25400	3400	2340	9600	2370
9070	4690	1710	7600	5030	22200	3700	2320	9300	2430
15200	4760	1880	6820	4870	22700	3310	2640	8180	2460
11000	4650	1860	6340	4870	20700	3110	3100	7180	2560
8420	4630	1700	5720	4870	17800	3390	3080	6740	2380
999999	999999	1700	999999	999999	999999	3760	999999	999999	999999
6980	4860	1700	5370	5030	15400	3770	2840	5920	2270
5980	5100	1700	5030	5200	13500	3780	2880	5560	2290
5450	5540	1700	5030	5200	12300	4400	2760	5920	2080
6200	5080	1700	5200	5200	11700	4920	3360	12800	2120
5920	4720	1700	5540	5370	10800	4900	3440	19100	1990
5380	4630	1700	5720	5540	10200	4900	3550	15800	1950
5300	4300	1700	5540	5540	9900	4750	3780	12400	1450
5100	4370	1700	4870	5540	9900	5760	3860	10200	1620
4940	4540	1700	4720	6620	10500	7960	4060	8700	1590
5120	4520	1700	4720	6230	9620	7460	10400	8180	1920
5650	3960	1700	4330	5880	8780	6560	8070	7920	3740

5440	4030	1500	4210	5540	8240	6360	6400	7920	6030
4970	4000	1480	4090	5540	12800	6160	5460	8180	5150
5050	4080	1440	3980	5880	21400	5760	4910	8440	3790
7100	3770	1380	3760	6420	17000	5400	4510	8180	3220
10600	3830	1370	3980	6620	14600	5060	4240	7400	3130
8800	3870	1230	4210	6620	12300	4900	4130	6960	3100
7510	3960	1360	4210	6230	11100	4900	4310	6520	7270
6760	4520	1340	4210	5710	9900	4900	4450	6520	8440
6570	5170	1360	4450	5540	9060	5580	4340	6520	6100
6640	5200	1400	5200	5200	8500	5580	4400	6520	5310
7180	5120	1320	5920	5200	8240	6990	4820	6520	5020
7860	5060	1500	5920	5370	8500	25400	5240	6740	4460
8740	4910	1440	6120	5880	9060	44000	4770	7400	4140
9140	5120	1640	5920	5710	9620	89000	4520	8180	3630
9050	5120	1670	5540	5540	9620	122000	4320	8700	3550
8630	5700	1710	5720	5200	9620	110000	4200	9900	3190
9770	6580	1690	6120	4870	9340	57800	4330	9900	3060
10700	7340	1790	5720	4580	8780	35000	4420	9900	2520
10600	6820	1640	5540	4870	8780	23300	5000	10200	2320
12700	7080	1530	6820	4720	9620	18600	4440	9900	2300
12400	7540	1830	5920	4870	17200	17200	4400	9000	2420
14000	7460	1800	5200	4580	26300	16800	4280	8440	2780
11900	7060	2090	5200	4580	23800	14800	4460	8180	2650
11700	6350	2130	5920	5280	22300	13200	4980	7920	2450
11500	14400	1980	5200	26000	19200	12800	5220	7920	2480
11300	19600	2070	5200	31100	16200	12800	4740	8180	2220
10900	16100	2530	5540	38100	15000	12800	4180	8180	2370
12000	13200	2880	5920	43800	14600	12800	4300	9000	2380
12000	10700	2920	6120	31100	13800	12400	4420	9000	2220
11100	10900	2840	6340	20800	12200	12000	3960	8180	2260
10600	10800	2770	8900	16800	11400	11300	4000	7660	2230
10200	10900	2650	8900	14400	10400	11000	3790	7180	2080
9070	10900	2410	7860	12400	9700	10700	3580	9300	2260
8550	10400	2510	8120	11400	9400	10000	3720	12000	2160
8320	10200	2460	9720	10500	9400	9440	3430	11200	1950
7840	10400	2220	11200	9900	9400	9440	3520	10900	1890
7830	10200	2070	11600	9060	8800	10000	3760	10200	1890
7420	9370	2040	8900	9060	8800	9140	3960	9600	1910
7790	8900	1970	10300	7980	9100	8280	4480	9300	1960
9590	8670	1810	10000	7500	9100	7760	5400	9900	1900
12700	8240	1880	8900	7060	9100	7280	4620	9600	1920
16600	7420	2080	8640	6840	10000	7040	4700	9600	1870
19600	7150	2040	8120	6620	10800	7280	4640	9900	2040
21800	6680	2080	7600	6420	12600	7520	4460	9600	1950
22900	6550	1910	7600	6230	14600	7040	4460	8700	2000
23400	6810	1780	7340	6230	16600	6800	4460	8700	1950
24600	6680	1650	7340	6230	17400	7040	4600	7660	2180
24600	7100	1520	7860	6230	16600	7040	4820	7400	2260
22900	6800	1750	7860	6050	16200	7040	4630	7180	2220
21800	6780	1700	7860	5880	15400	7280	4960	6520	2180
21800	6650	1680	7860	5710	13800	7760	5390	6300	2200
23400	6810	1670	7860	5370	12200	7520	5800	6520	2190
24600	6760	1640	7860	4870	12600	6800	6560	8440	2040
26400	6840	1450	7860	5200	12200	6360	6560	7660	2020
28900	7550	1350	7860	7980	12200	6360	6320	7180	1900

31500	7620	1490	7600	7280	12600	6360	5880	6960	1980
32200	8190	1470	7340	7500	11100	6360	5880	6740	1740
30800	8550	1410	6340	6050	10000	6580	5880	6520	1590
25800	8570	1420	5920	5540	9400	6580	5680	6100	1520
19600	8530	1390	5370	4870	9100	6580	5680	5920	1560
16100	7820	1250	5370	4870	9100	6580	5480	5920	1700
15200	7100	1230	5720	4580	9400	6360	5280	5560	1660
16100	6850	1410	7080	4210	10800	5740	5480	5560	1740
20200	7050	1320	5920	4090	11800	5350	5680	5560	1820
25200	7130	1320	5540	3870	12200	5160	6100	5400	1590
27600	7470	1260	5720	3650	12600	4800	6100	5400	1590
27600	7310	1290	5370	3410	12600	4470	6320	5920	1590
28900	6630	1080	5290	3500	10800	4240	6100	5740	1560
28900	6120	1070	4790	3460	10000	4210	4920	5560	1520
32900	5260	1180	5310	3380	9700	3940	5480	5740	1480
27600	5060	1240	5360	3240	8220	4000	5280	5400	1480
24600	5110	1180	4920	3060	7220	4000	5320	4940	1520
23400	5040	1140	4660	2910	7000	3900	4940	4800	1480
23400	4960	990	4240	2840	7220	3860	4660	4670	1450
22900	4710	970	4020	2900	7460	3700	4080	4190	1980
19000	4330	890	4100	2740	7700	3470	3370	4070	2100
18000	3760	1080	3940	2590	7460	3160	2900	4190	1820
18600	3850	990	3620	2580	7220	3100	2760	4190	1450
19000	4250	1000	3620	2440	6360	3080	2600	4550	1310
19600	4510	950	3180	2460	5960	2850	2480	4070	1310
21200	4100	820	3340	2260	5580	2760	2460	3850	1310
21200	3720	880	3430	2220	5760	2820	2540	4430	1310
20700	3540	870	3650	2300	5960	2600	2300	4550	1310
20200	3320	1000	3940	2300	5960	2440	2440	3380	1310
19000	3250	1060	4160	2270	5960	2250	2450	3290	1310
18000	3360	1030	3670	2160	5960	2420	2360	3170	1310
17000	3230	1000	3580	1980	5960	2360	2500	3100	1310
15600	3680	970	3290	1940	6160	2380	2420	3020	1310
15200	3530	860	3020	2100	7220	2380	2500	2820	1310
13500	3310	900	3070	2240	6560	2200	2260	2750	1310
12700	3290	1000	2940	2100	6160	2130	2560	2990	1280
12000	3220	1020	2810	2020	5960	2040	2420	2840	1280
11300	3140	1040	2780	1960	5760	2230	2260	2770	1240
10900	3040	970	2660	1780	5580	2190	2250	2660	1240
9720	2810	940	2460	1750	5400	2140	2230	2510	1240
10100	2880	850	2430	1900	5220	2080	2850	2300	1310
9990	2730	860	2520	1920	4900	2000	5180	2340	1420
10000	2320	940	2420	1880	4600	1950	3960	2400	1340
9380	2640	980	2740	1860	4140	1820	3190	2260	1200
9050	2680	960	2620	1800	3600	1920	2740	2300	1240
8520	2710	910	2460	1710	3510	1860	2500	2300	1240
7870	2550	950	2130	1870	3430	1980	2380	2200	1200
7040	2530	830	2310	1790	3260	2080	2260	1940	1240
6430	3750	780	2410	1820	3080	1900	2090	2020	1170
6080	3850	990	2370	1830	3030	1700	2060	2120	1200
5720	3600	930	2320	1760	2830	1740	2190	2040	1240
5580	2890	920	2190	1720	2620	1920	2320	2020	1340
5520	2640	920	1960	1620	2740	1960	2140	1970	1240
5240	2570	870	1810	1760	2580	2040	2100	1930	1170
4850	2450	780	1840	1820	2580	2090	2020	1730	1170

4450	2300	720	1910	1850	2540	2020	1820	1820	1170
3990	2040	920	1880	1700	2380	1860	1740	1980	1200
3820	2100	930	1870	1670	2280	2040	1920	1890	1170
3620	2080	850	1760	1690	2160	2110	1930	1980	1140
3550	1770	790	1790	1660	2140	1740	1640	1800	1170
3590	2030	760	1660	1700	2170	2080	1840	1730	1240
3370	2240	790	1800	1870	2180	2110	1770	1700	1200
3370	2000	770	1940	1860	2060	2030	1740	1840	1240
3070	1540	940	2010	1990	2170	1680	1800	1880	1280
2790	2160	910	1890	1970	2100	2030	1820	1950	1280
2830	2070	870	1860	1940	2060	1980	1780	1930	1240
2920	2060	840	1790	1720	2200	2050	1800	1960	1240
2820	2120	830	1520	2030	2160	1980	1780	1890	1280
2700	2020	730	1760	1970	2160	2040	1700	1720	1240
2660	1860	980	1830	1900	2100	2020	1670	1910	1280
2490	1530	940	1760	1970	2250	1620	1730	1900	1280
2090	1880	890	1790	1870	2090	1900	1710	1860	1240
2400	2010	930	1820	1900	1960	2020	1710	1860	1240
2380	2000	830	1710	1570	2230	2070	1720	1860	1240
2550	2040	910	1540	1880	2180	2040	1720	1820	1200
2500	1970	730	1820	1880	2140	2060	2000	1670	1200
2480	1780	850	1840	1880	2150	2050	2060	1940	1200
2300	1400	870	1820	1900	2110	1600	2100	2000	1170
1970	1780	860	1830	1960	2020	1940	2130	2000	1170
2220	1840	870	1790	1980	2080	2040	2170	2000	1310
2300	1890	870	1670	1620	2260	2020	2260	2000	1200
2310	1820	830	1500	1890	2040	2070	2340	1920	1170
2240	1840	730	1770	1800	2100	2140	2320	1660	1170
2250	1770	840	1770	1780	1940	2160	2050	1930	1170
2170	1180	830	1700	1810	1980	1670	2130	1980	1170
1860	1840	850	1800	1840	1740	1980	2280	1980	1170
1880	1820	870	1690	1920	1750	2140	2270	1960	1480
2060	1870	900	1610	1620	1900	2080	2270	1940	1480
2080	1840	880	1380	1920	1870	2200	2260	1890	1310
2020	1800	810	1650	1800	1840	1950	2260	1640	1280
1990	1800	910	1690	1820	1740	1600	2000	1890	1200
1950	1140	920	1680	1810	1940	1480	2120	1920	1170
1460	1710	910	1710	1840	1810	1590	2220	1900	1170
1920	1900	900	1690	1860	1680	1630	2260	1940	1170
1860	1860	940	1580	1600	1930	1600	2200	1890	1170
1850	1770	930	1410	1820	1800	1590	2240	1860	1200
1850	1540	800	1640	1810	1890	1580	2240	1640	1170
1770	1700	890	1840	1860	1760	1510	2090	1800	1170
1740	1190	910	1970	1840	1950	1480	2100	1880	1170
1420	1710	890	1910	1870	1830	1590	2160	1940	1170
1740	2230	1080	1870	1830	1760	1580	2080	1950	1170
1620	2220	1150	1690	1560	1860	1660	2260	1980	1170
1850	1870	960	1430	1940	1920	1680	2200	1920	1140
1770	1860	1340	1640	1820	1940	1670	2190	1630	1170
1750	1640	1190	1680	1850	1920	1690	1960	1820	1170
1710	1160	980	1730	1840	2060	1560	2190	1900	1170
1380	1700	1020	1670	1860	1860	1860	2290	1920	1170
1560	1830	990	1720	1890	1720	1820	2200	1940	1140
1800	1790	950	1670	1600	1870	1620	2220	1980	1140
1660	1810	910	1470	1880	1920	1600	2200	1930	1170

1700	1690	1050	1800	1810	1940	1600	2220	1680	1140
1670	1610	1060	1740	1820	1900	1600	2070	1700	1140
1740	1150	900	1710	1840	1860	1470	2160	1960	1140
1420	1610	910	1710	1860	1780	1700	2200	1960	1140
1510	1580	870	1670	1920	1620	1680	2230	2100	1140
1620	1700	860	1630	1590	2000	1660	2200	2130	1140
1640	1800	870	1670	1930	1910	1690	2180	2180	1170
1610	1830	960	1610	1960	1860	1660	2200	1870	1140
1640	1580	810	1740	1980	1860	1630	2020	1670	1100
1520	1120	870	1640	1950	1880	1580	1940	2020	1140
1310	1030	880	1580	1930	1760	1610	2080	2110	1140
1310	1650	870	1640	1950	1620	1660	2210	2170	1100
1650	1740	890	1560	1550	1820	1540	2170	2170	1170
1760	1710	890	1420	1480	1930	1540	2200	2260	1140
1650	1720	1010	1480	1860	1900	1380	2200	2160	1100
1640	1570	830	1760	1910	1860	1370	2070	2160	1140
1980	1030	1040	1680	1790	1780	1460	2060	2160	1200
2120	1120	960	1860	1890	1930	1460	2140	2300	1280
1700	1700	1030	1930	1900	1460	1510	2190	2320	1240
1590	1660	1030	1720	1540	1660	1400	2210	2250	1280
1640	1750	1040	1650	1900	1880	1500	2220	2310	1170
1500	1640	1030	1580	1920	1930	1400	2230	2220	1200
1660	1540	890	1870	1940	1870	1310	2050	2140	1240
1620	1010	1060	1800	1990	1870	1270	2120	2220	1170
1200	1560	1040	2000	1990	1710	1280	2180	2320	1100
1580	1570	1050	2020	1960	1360	1350	2180	2380	1100
1520	1640	1050	1510	1680	1830	1460	2140	2400	1010
1560	1690	1050	1640	1890	1840	1400	2200	2320	1000
1540	1690	1020	1920	2010	1850	1300	2180	1580	1000
1460	1590	850	1770	1940	1830	1300	2040	1990	1170
1460	1240	1070	1760	1940	1830	1300	2140	2370	1170
1250	1690	1070	1720	1920	1720	1300	2160	2420	1140
1460	1870	1080	1720	1880	1460	1390	2180	2420	1170
1520	2700	1130	1530	1540	1820	1440	2160	2280	1070
1570	2080	1100	1330	1810	1840	1410	2180	2290	950
1480	1850	960	1840	1930	1840	1390	2160	1560	950
1520	1680	1000	1870	1900	1880	1380	1940	2090	1070
1420	1200	1160	1840	1960	1840	1210	2100	2500	1040

1932	1933	1934	1935	1936	1937	1938	1939	1940	1941
1050	605	1320	1230	1520	2340	1640	1840	1440	2330
1230	600	1290	1340	1570	2290	1640	1890	1670	2290
1110	577	1460	1280	1670	1790	1840	2220	1640	2310
910	615	1490	1290	1620	1560	1840	2220	1580	2310
900	665	1460	1290	1620	1740	1740	1960	1530	2300
940	745	1460	1280	1500	1990	1890	1740	1740	2150
1190	888	1410	1220	1580	1840	1840	1860	1500	2270
1260	766	1360	1280	1690	1790	1840	1720	790	2340
1020	792	1330	1290	1740	1640	1640	1540	1240	2350
900	786	1450	1280	1650	1640	1690	1800	1520	2510
870	1090	1380	1340	1580	1510	1990	1960	1640	2570
850	1090	1410	1330	1820	1560	1840	2080	1620	2550
935	1070	1380	1270	1680	1790	2240	2140	1630	2400
1130	1030	1380	1280	1760	1740	2340	2100	1420	2530
1290	826	1240	1260	2220	1790	2540	2260	1050	2540
1140	635	1310	1500	2140	1790	2090	2330	1240	2650
950	635	1370	1940	1910	1690	1740	2050	1500	2660
815	645	1390	1540	1780	1460	1890	2140	1530	2650
720	746	1420	1370	1700	1600	2140	2140	1540	2650
1130	774	1400	1390	1680	1690	2240	2180	1540	2480
1140	690	1400	1530	1650	1840	2290	2350	1430	2600
1680	660	1390	1970	1720	1640	2240	1680	895	2680
3930	670	1410	1580	1750	1640	2090	1410	1220	2650
2060	675	1500	1550	1670	1690	1840	1990	1650	3040
1210	660	1510	1410	1740	1510	2240	2780	1580	2280
1830	635	1500	1360	1630	1560	2390	2360	1320	1620
1440	645	1600	1420	1600	1790	2390	2230	1300	1210
1300	650	1440	1410	1720	1840	2340	2100	1040	2040
1110	720	1540	1370	1770	1790	2340	2340	1190	2240
1040	750	3660	1380	1810	1790	2190	2860	1360	2320
880	750	3790	1560	1780	1510	2190	2730	1380	2190
705	750	2330	2030	1570	1510	2190	3200	1370	3010
775	800	1980	1850	1580	1600	2490	2980	1260	3900
1140	830	1890	1900	1130	1640	2440	2700	954	2180
1230	739	1820	2130	1850	1640	2440	2590	912	2720
1220	717	1660	2010	1610	1640	2440	2590	615	2210
1230	712	1640	1740	1490	1640	2340	2460	892	2870
1010	695	1660	1620	1340	1600	2190	2520	1430	5260
725	685	1670	1590	1400	1380	2290	2300	1410	4330
870	685	1440	1700	1480	1460	2390	2360	1380	3360
1260	685	1340	1690	1440	1740	2440	2320	1300	2660
1350	812	1460	1490	1640	1600	2860	2330	937	2750
1420	836	1540	1460	1280	1690	2980	2360	624	2550
1560	782	1490	1560	1670	1690	2390	2160	869	2400
1850	774	1670	1720	1720	1690	2700	2400	1590	2290
1540	824	1570	4070	1540	1510	3620	2240	1590	2090
1090	854	1690	3310	1670	1510	3030	2280	1630	1780
3380	973	1660	2550	1480	1640	10300	2250	1620	1370
2610	824	1530	3550	1690	1640	5570	2250	1500	2130
1990	1060	1520	4530	1650	1070	4400	2190	892	2210
1860	832	1640	2550	1560	810	20600	2200	1030	2320
1640	950	1630	1880	1520	735	14700	2260	1280	1990
1320	853	1620	1800	1620	765	7010	2290	1350	1740

1120	1050	1540	2510	1890	842	11100	2340	1070	2110
1620	862	1550	2620	1360	1220	11400	1700	708	1680
1490	808	1530	1730	1650	1690	7290	2040	884	1910
1360	740	1440	1570	1540	1100	5610	1980	912	2100
1020	734	1530	1410	1620	720	5070	1890	1170	2100
1340	872	1490	1360	1410	1140	4050	2240	1230	2100
1200	1340	1510	1120	1310	765	3930	2930	1310	2100
1080	1520	1340	1250	1610	916	4110	2930	1340	2020
1450	1180	1460	1350	1510	1220	3930	3250	1340	1740
1420	1130	1450	1360	1650	1220	3690	3380	1020	1920
1440	1130	1900	1290	1740	1380	3510	6080	966	2060
1440	1150	1730	1840	1810	1420	3330	4280	1630	2020
1470	1390	1680	1800	1860	1420	3150	3350	1570	2040
1300	1200	1620	1480	1890	1000	3210	3000	1580	1870
1240	1380	1610	1750	2000	1070	3210	3230	1740	2030
1580	1300	1620	1520	1930	1380	3150	3320	1660	1560
1560	1320	1600	1230	1990	1340	3570	3200	1870	1820
1590	1280	1590	1430	1930	1140	77800	3100	3530	1960
1650	1210	1610	1790	2180	1260	145000	2950	5930	2000
1560	1330	3590	1790	3490	1000	63400	2880	2410	1990
1510	1430	8470	1870	2480	705	35200	2920	2290	1870
1520	1190	5440	4080	2320	948	24400	2880	1900	1780
1530	1430	3590	3620	2100	1380	17100	2980	1730	1630
1520	1370	2560	2510	2260	1600	14800	3040	1320	1960
1550	1490	1910	2320	2370	1600	13300	3020	966	3510
1560	1510	1760	2250	2370	1510	12100	2960	1280	14100
1490	1710	1680	2050	2420	1510	11000	2860	1560	8420
1350	1760	1740	1980	2420	1020	10200	3110	1930	5130
1740	1890	1730	1930	2540	1140	9970	3110	1580	16000
2330	1420	1600	1760	1980	1460	9700	3080	1500	22900
3320	1890	1460	1450	2260	1340	9160	3020	1330	25800
16100	1570	1360	1300	2420	1380	8720	2530	966	25000
8390	900	1320	1430	1770	780	8400	2030	772	18300
6170	700	1260	1520	2040	948	8080	1560	1150	21100
14800	1200	1200	2750	2420	1180	7840	2280	1250	40400
12000	1430	1290	2350	2260	1380	7680	2670	1360	24800
7040	1390	4000	2300	2890	1640	7440	2670	1460	19000
4880	1150	10700	3330	2890	1740	7280	2520	1780	16100
11800	1190	7720	2890	2950	1740	6190	2200	2010	12400
9700	1160	13800	2560	2370	1510	5180	2120	7720	9880
6520	800	13400	2360	2710	965	5500	1960	23000	8100
5040	1800	8480	2330	2650	1300	5640	2320	10100	7380
3970	1930	6780	8200	3130	1300	4980	2210	12700	6900
3340	1730	5740	10500	2830	1560	4790	5180	7940	6700
3080	1820	4480	5580	2590	1690	4600	3380	6100	7700
2900	1840	3740	5230	2370	1510	4460	2520	5650	12000
2750	1610	3410	6370	2950	1340	4280	2270	17900	11400
2500	1480	3200	6690	7320	1220	3860	2160	20500	9660
2380	1770	3000	6450	15400	1460	3920	2370	15900	9030
2480	1810	2630	4520	34900	1740	3800	2280	15000	8500
3140	1750	2540	3900	14100	2290	3680	2120	13500	7820
3440	1670	2450	3240	9720	1690	3680	2030	9260	9210
2840	1660	2210	4950	18600	1840	3200	2100	7020	15500
2780	1610	2450	3800	46400	1600	5050	2080	5860	14200
2680	1670	2630	3880	35400	1560	4860	2080	5400	12600

3130	1730	2450	3640	17900	1220	10200	2020	4800	10800
2930	1830	2450	3410	12200	1340	9340	2160	4470	9660
3600	2070	2370	3070	9090	1340	8080	2160	4260	8850
3210	1990	2540	2850	7480	1070	7200	2140	3810	8670
2800	2000	2170	2660	6420	1260	6190	2200	3300	9340
2610	2060	2050	2840	5710	1260	5770	2190	3540	12600
2590	2200	2450	2960	4940	1300	5640	1950	3690	13100
2200	2400	2810	2720	4490	895	5310	2120	3630	14100
2600	2370	2540	2650	4230	1100	4860	2180	6580	22500
2380	2120	2450	2540	3850	1340	4660	2380	22100	26100
2320	3120	2370	2400	3730	1070	4530	2570	15000	16900
2760	2580	2370	2380	3970	1510	4720	2860	10800	13900
2420	2830	2370	2620	3550	1100	4460	2760	9260	12000
3140	2460	2450	2640	3370	1220	4100	3350	7860	11000
4040	2240	2450	2550	3250	1070	5950	2660	7020	9930
3680	1950	2630	2640	3370	1000	11700	2660	6700	9080
2620	2110	2540	2840	3130	1890	18200	2630	6280	8580
2380	1920	2370	2960	2950	1690	17400	2840	11300	8100
2220	1530	2130	3130	3130	6160	13000	2730	15500	7860
2920	1750	2170	3320	3190	7220	12400	2410	16600	7620
3910	1960	3000	4310	3370	5640	14100	3780	17100	8580
3980	2040	4220	5910	3370	3860	13900	3220	16000	8140
3800	1980	6780	5670	3130	2590	24000	3180	13000	9210
4030	2120	5140	5060	3010	2040	24800	2810	10600	15900
4060	1880	4220	4350	3130	2090	27400	2880	9080	43900
4010	1980	3520	4340	5120	2340	26200	2770	7940	70400
3520	1970	3100	3820	16800	3200	19400	2460	7060	43700
3260	1830	3000	3720	22800	5110	19700	2460	6980	28800
3100	2030	2810	3650	21800	13100	18800	2660	9040	22300
2780	2050	2900	3240	17400	6640	16000	2230	7420	19600
2610	1940	4100	3000	21700	4600	13500	2380	6380	18200
2440	1860	3630	2700	17700	3560	11500	2440	7300	16400
2290	1400	3300	2970	15200	3320	11500	2300	7220	16500
2200	1240	5660	2800	13600	3080	11200	2380	6320	15600
2140	1700	8240	3020	16300	2920	10500	2180	5820	16500
2080	1720	6780	3270	46700	2860	10200	2420	5540	16700
2080	1240	6420	3410	54200	3080	10100	1620	5200	16400
2060	1350	7180	3790	37100	3260	10200	2020	4860	15900
2140	1350	6600	3420	26700	3560	10200	2270	5160	17700
2220	1260	5740	3470	19600	4160	10500	1980	8020	16000
2320	1150	7800	3230	15600	3560	10600	1930	24200	14600
2850	1360	8020	3040	14300	3080	10500	2280	113000	15900
3530	1320	6780	4510	13500	2860	10600	2480	120000	24000
4420	999999	999999	999999	12900	999999	999999	999999	68800	999999
4030	1460	5900	7180	12300	2860	14400	2460	45400	36900
3880	1820	5140	6380	12300	3030	22100	2160	31400	32000
3900	2340	4870	5020	12500	3620	22400	2320	23400	25900
3240	2250	4740	4880	12500	4100	17000	2040	19100	23300
3380	1920	4740	4380	12400	4220	14500	1610	16900	20500
3360	1820	4740	5770	11700	4340	13600	1910	15200	18100
3660	1910	4610	7560	11300	4720	13000	2180	14000	16500
4260	2160	4100	5190	11000	5050	12100	3500	13300	15300
4490	2360	3980	4440	11000	5700	11600	4020	12400	14800
5800	2280	3860	4040	10200	6800	11100	2960	11900	14700
5740	2370	3630	3780	9700	8080	11100	2320	11300	14300

5820	4240	3630	3390	9250	14400	20300	2380	10400	14100
5660	5750	3740	3960	9340	14400	34700	4000	9590	13800
6100	4480	3630	4530	9340	10900	25700	5100	9010	13000
6460	3610	3740	5170	9070	8980	20300	4040	8680	12100
6740	5320	3630	4930	8980	7920	23200	3920	8620	11500
6880	4920	3410	4670	9070	8000	22700	4230	8200	11500
8120	4140	3410	4690	9160	8160	18800	4580	7940	11900
14100	3670	3630	4430	8980	7280	22000	4830	7860	11800
17400	3430	3520	4270	8800	6960	39300	5100	7840	11400
14500	3340	3980	4390	9160	10600	30800	5680	7890	10600
11700	3070	3740	4350	9160	9430	24200	6360	8210	9930
9440	2810	3740	4270	8480	7920	37100	6640	8160	9680
8660	2620	3860	3960	7840	10700	44500	6580	8420	9370
9980	2630	3520	4160	7200	7680	31700	6440	11300	9200
10600	2580	3630	4160	6640	6190	25000	7010	27200	8970
9740	2690	3860	4470	6120	6190	20400	7200	41300	8960
9760	6520	8040	4880	6400	5570	19000	6160	32500	9260
9900	6880	14100	5220	8720	5310	17600	5700	62300	11200
9600	5300	8960	6150	8240	5380	16300	5470	131000	12800
9540	4610	7580	7380	9430	5570	15000	5610	87300	15000
10400	4610	6070	8530	7520	6800	14200	5620	55200	14900
11700	4880	5580	9740	6800	10200	13800	5820	38000	15400
12500	5300	4870	17100	7680	9430	14100	6100	29000	15200
10600	5780	4480	24600	12900	8240	16300	6360	24600	28900
9460	5780	4220	22500	9250	7440	19200	6010	21100	21700
8020	5620	4100	19400	7680	8720	16900	5870	18800	16600
7360	5300	3980	32600	7280	7840	15600	5730	17900	15500
6840	5160	3740	51300	7680	7520	16100	5880	17400	14500
6770	4480	3520	34300	8000	8320	17800	5670	15900	14400
7120	3860	3860	24600	8240	8080	19400	5260	15000	14200
7280	3620	3860	19200	8800	7600	20600	5130	14000	13200
8030	3620	3740	17400	9700	7520	21300	5130	12700	12600
8410	3860	3740	16800	10200	10300	20600	4950	12600	12400
8520	3980	3300	17200	11000	14700	19600	4590	12800	12600
7840	4480	3630	27500	11400	18400	19600	4000	13700	12900
8600	4610	3300	29800	12300	17000	20400	3820	12900	13000
8200	4220	3300	25900	12900	13400	22100	4000	11700	12200
7820	3740	3000	21900	12500	11500	26900	4110	11500	11700
8520	3180	3000	20300	11900	11200	33500	4240	11200	11000
10300	3070	3100	20800	11900	11600	36600	4200	10900	10600
8580	2960	2630	21800	11900	12900	39900	4540	10800	10500
7540	3620	2450	20800	13300	13100	39100	4060	12200	10300
6630	4350	2900	18700	13100	11400	37500	3570	12000	10600
11100	4610	3100	16800	12000	11000	37500	3500	10900	11000
10600	5300	2900	16000	10800	11100	36400	3360	10400	11300
8240	4610	2630	16100	9970	11600	30600	3050	10400	11700
7500	4740	2540	16400	9430	11000	27600	2980	10700	12200
6820	5460	2330	17400	9520	9610	26100	2920	10900	12300
6740	6720	2090	19800	9880	8400	26100	2940	10700	12400
6710	5620	2330	18900	9340	8160	27900	2860	8870	12600
8380	4740	3630	16200	8480	8800	27600	2890	8440	13100
9560	5020	3300	14600	8320	9970	27400	2770	8630	13600
9140	4350	3100	14000	9340	11000	24800	2520	9260	15500
8340	4100	2900	13800	9700	12400	23000	2390	9330	15100
7860	4480	3000	14200	9340	12300	22400	2280	8640	16200

7890	4220	2450	15200	8480	12400	22000	2040	8080	16100
8420	4610	2810	16400	7680	12100	21500	1950	7680	14700
8950	4350	2810	16500	7120	10300	21500	2030	7600	15300
10100	3980	2810	17300	7040	9790	23000	2000	7570	16100
11000	3980	2540	16300	7600	9160	23600	2040	7840	15700
11600	3860	2540	15900	7680	8980	24800	2120	8020	16400
11700	3860	2370	15000	7680	10600	26500	2080	7510	18700
11800	3980	2250	14100	7840	12500	30800	1800	7760	24400
11600	4220	2330	13800	9700	13600	35800	1640	7720	21900
10700	4350	2090	12600	9340	13500	37100	1660	7570	19200
10300	4480	2090	12600	8320	12600	35800	1750	7190	17800
10000	4610	2130	11000	7680	11700	33100	1610	6960	17200
9270	4880	1970	10800	7360	11500	29300	1480	6620	16700
8920	4610	1890	10400	7040	9700	25300	1570	5990	15200
8540	4350	1770	11700	6190	9160	23000	1720	5750	14600
10400	4740	1770	11800	5840	9250	21700	1900	6100	15000
8290	4880	1770	12400	5770	9340	21500	2930	6150	15000
7300	4170	1850	12800	5700	9430	22200	3080	5780	14900
6960	4680	1850	11900	5570	9880	23000	2590	5500	15000
6820	5620	1850	12200	5840	9520	23000	2490	5120	14300
6560	6370	1850	12500	5570	8240	23600	2420	5250	13900
6500	6720	1810	11600	5380	8480	23000	2040	4980	14000
6000	7140	1700	10900	5700	8890	21700	1800	4670	13300
6820	7600	1590	10400	5380	8640	21300	1700	4450	12300
6520	7840	1560	9540	4920	7520	20400	1640	4360	11800
6100	7600	1590	9180	4600	7040	20000	1570	5220	12000
5650	6920	1620	9630	4460	6400	19900	1510	5100	11400
5760	5620	1590	9090	4220	6260	19700	1500	4940	11200
5630	5160	1520	8910	4220	6400	19600	1500	4550	10800
5770	4480	1480	8550	4280	6400	19600	1420	4310	10200
6530	4480	1560	9180	4280	5980	18800	1400	4100	8940
5720	4880	1660	10100	4720	4920	18400	1420	3900	7580
5160	5020	1770	10200	10800	4460	17500	1400	3700	7620
5020	4740	1730	8730	8320	4530	16300	1370	3500	6860
5160	4740	1590	7960	6400	4460	15600	1360	2790	6420
5020	4610	1520	7880	5570	4220	13900	1410	2900	6820
4880	4220	1480	7880	5120	3980	12500	1460	3220	7180
4480	4350	1480	6880	4790	3320	11100	1410	3100	6740
4350	4220	1480	6130	4460	3030	10700	1410	2980	6540
4100	3980	1480	5430	4280	3320	10800	1380	2840	6070
3680	3740	1560	5010	4100	3440	10600	1390	2760	5580
3520	3180	1620	4620	3920	7470	10200	1560	2410	5070
3570	2780	1620	4620	3800	5570	9610	1640	2380	5070
3400	2460	1620	4360	3680	4280	8480	1580	2600	4890
3070	2170	1620	4230	3560	3380	7680	1530	2520	4740
3070	2170	1620	4040	3380	3140	7120	1530	2500	4710
2960	2250	1660	3610	3200	3200	7360	1520	2460	4620
2960	2210	1660	3550	3080	3080	7440	1520	2450	4530
3070	2050	1730	2890	2980	2980	7280	1480	2030	4470
2860	2010	1700	3010	2920	2920	7520	1460	2130	4380
2860	1770	1660	2830	2810	2540	7040	1460	2350	4590
2610	1770	1700	3010	2700	2490	6400	1470	2330	4200
2660	1930	1730	3010	2640	2240	5980	1470	2340	3990
2520	1770	1730	2890	2540	2590	5770	1470	2280	4080
2520	1850	1700	2890	2540	2760	6190	1470	2250	3780

2420	1770	1660	2710	2540	2700	6260	1460	2130	3720
2380	1660	1620	2650	2390	2590	6120	1460	2150	3600
2290	1460	1590	2420	2340	2540	5700	1470	2170	3570
2290	1520	1590	2260	2240	2240	5380	1470	2180	3330
2160	1560	1590	2200	2240	2090	4860	1460	2030	3030
2120	1560	1590	2200	2140	1990	4460	1490	1990	2790
2080	1600	1590	2150	2040	2290	3800	1550	2140	3180
2040	1630	1590	2260	2090	2240	3560	1500	1920	3360
2000	1630	1590	2320	2240	2190	3620	1490	1910	3180
1920	1660	1560	2260	2040	2240	3320	1470	1970	2940
1920	1630	1590	2200	2040	1990	3080	1470	2020	3090
1880	1660	1560	2200	1940	1940	2860	1460	2090	2940
1880	1630	1560	2150	1940	2140	3560	1460	1920	2760
1840	1630	1560	2100	2040	2190	3620	1460	1950	2620
1840	1660	1480	1980	2040	2140	3440	1460	1830	2680
1840	1630	1520	1930	2040	2490	3320	1450	1840	2730
1960	1630	1560	1980	2040	2540	3200	1430	1870	2650
2000	1600	1480	2040	2140	2440	2390	1470	1930	2700
1880	1600	1480	1980	2140	2040	2490	1490	1870	3060
1880	1560	1520	1980	2240	2340	2980	1490	1930	2700
2000	1560	1520	1930	2540	2440	3080	1500	1880	2290
1960	1560	1480	1820	2760	2390	2920	1520	1800	2540
1920	1560	1480	1820	2590	2240	2860	1460	1820	2480
2000	1560	1520	1880	2540	2040	2760	1440	1860	2400
2000	1560	1520	1880	2440	1890	2540	1430	1810	2380
1920	1600	1520	1880	2040	1790	2540	1430	1820	2350
1880	1560	1520	1880	1940	1790	2590	1430	1820	2380
1880	1560	1480	1770	2290	1840	2590	1430	1790	2130
1920	1520	1480	1770	2340	1840	2590	1430	1750	2380
1960	1520	1480	1880	2540	1840	2540	1410	1700	2400
1960	1520	1480	2150	2590	1790	2390	1390	1780	2380
2040	1560	1480	2150	2540	1740	2190	1400	1760	2350
2040	1560	1480	2100	2040	1640	2340	1390	1700	2260
1960	1520	1520	2100	1840	1640	2390	1400	1680	2180
1840	1490	1520	2100	2090	1640	2340	1390	1640	2020
1920	1490	1480	1980	2490	1600	2340	1400	1600	2290
1800	1490	1380	1980	2540	1560	2340	1380	1600	2210
1800	1460	1480	2100	2390	1560	2240	1360	1700	2180
1800	1460	1450	2100	2490	1560	2140	1360	1660	2160
1800	1420	1420	2040	2390	1560	2340	1360	1670	2180
1800	1460	1420	2100	1740	1560	2490	1360	1720	2070
1720	1460	1480	2100	2190	1560	2490	1430	1610	1820
1650	1460	1450	1930	2340	1510	2440	1370	1630	2240
1650	1460	1450	2040	2440	1560	2490	1390	1630	2180
1650	1460	1450	2200	2390	1640	2440	1360	1640	2130
1620	1460	1520	2200	2340	1560	2240	1530	1700	2160
1580	1420	1480	2200	1740	1510	2440	1650	1900	2100
1580	1420	1420	2200	1690	1460	2490	1890	2130	1990
1580	1420	1420	2150	2190	1890	2440	1860	1980	1800
1580	1420	1420	2040	2440	1640	2340	1940	1690	2130
1540	1420	1420	2150	2440	1790	2340	1590	1730	2070
1540	1420	1420	2200	2440	1560	2240	1420	2090	1940
1510	1420	1450	2200	2140	1460	2140	1620	2120	2020
1540	1390	1420	2100	1640	1460	2290	1920	2110	2100
1540	1390	1420	2100	1600	1460	2490	1880	2040	1820

1510	1360	1450	1770	2090	1560	2640	1960	1670	1850
1510	1320	1380	1620	2240	1940	2640	1890	1620	1990
1510	1290	1380	2100	2140	1460	2540	1850	1940	1990
1540	1260	1420	2420	2240	1460	2140	1460	1990	1940
1510	1230	1420	2200	2240	1420	1740	1610	2010	1960
1510	1230	1450	2260	2140	1420	2340	1940	2000	1910
1510	1200	1450	2100	1560	1460	2590	1940	2070	1800
1540	1170	1480	1770	2190	1740	2590	1750	1930	1910
1510	1170	1450	1570	2440	1560	2490	1740	1870	1850
1540	1140	1340	1520	2590	1840	2640	1490	1820	2100
1480	1110	1240	1930	2340	1640	2140	1420	1900	2070
1400	1110	1380	2260	2040	1420	1840	1360	2140	1960
1370	1140	1420	2100	1840	1420	1690	1460	2310	1960
1340	1140	1450	2040	1600	1420	2190	1560	2360	2020
1340	1140	1380	1670	1560	1420	2240	1530	2160	1770
1300	1110	1210	1470	1790	1560	2240	1530	1970	1950
1270	1170	1180	1470	1840	1460	2140	1530	2040	1920
1200	1140	1240	1720	2290	1420	2040	1400	2190	1890
1070	1140	1420	1770	2390	1420	1840	1460	2250	1880
1010	1140	1340	1620	1940	1420	2340	1560	2330	1840
1010	1140	1480	1470	1560	1420	2540	1400	2440	1770
1040	1140	1340	1470	2090	1420	2640	1510	2360	1790
1040	1110	1280	1620	2340	1560	2700	1560	2100	1910
1070	1050	1310	1670	2290	1600	2700	1460	2320	1830
860	1080	1210	1570	2240	1600	2440	1360	2280	1840
800	1140	1380	1670	2190	1560	2190	1500	2270	1830
706	1230	1340	1620	1890	1560	2540	1500	2190	1860
920	1170	1420	1570	1560	1560	2700	1440	2220	1770
920	1170	1590	1570	2090	1600	2640	1560	2060	1810
890	1170	1450	1470	2390	1600	2640	1490	1970	1850
920	1110	1210	1520	2440	1600	2640	1510	2090	1900
685	1050	1340	1720	2440	1600	2040	1400	2270	1950
832	1050	1480	1570	2440	1600	2040	1440	2280	1880
695	1290	1480	1670	2390	1560	2240	1440	2280	1930
832	1390	1340	1570	1640	1790	2490	1340	2270	1740
980	1460	1340	1570	1940	1740	2240	1600	2330	1680
890	1420	1240	1520	2340	1740	1940	1580	2050	1840
756	1360	1280	1470	2390	1690	1940	1400	2250	1930

1942	1943	1944	1945	1946	1947	1948	1949	1950	1951
1880	2400	1660	1290	2020	1580	1620	2090	927	1860
1900	2380	1540	1380	2120	1800	1400	2050	1040	2130
1740	2430	1520	1600	2080	1780	1450	1970	974	2270
1720	2240	1520	1560	2090	1840	1280	2060	1000	1930
1680	2250	1550	1570	2060	1730	984	2340	1040	1970
1760	2380	1560	1560	2050	1680	1270	2360	889	2400
1820	2400	1570	1560	1840	1640	1500	2380	1040	1920
1820	2350	1560	1440	1830	1700	1820	2360	1160	1720
1810	2360	1650	1570	1910	1620	1780	2350	844	2080
1890	2350	1590	1570	1250	1540	1980	2260	992	2010
1790	2280	1570	1600	1320	1560	1780	2350	965	1670
1660	2310	1600	1590	1500	1560	1180	2380	872	2030
2010	2320	1600	1610	1690	1500	1370	2380	1030	2000
1960	2320	1640	1670	1580	1490	1490	2400	933	1950
1910	2400	1630	1500	1600	1640	1310	2420	915	1700
1950	2350	1620	1120	1800	1590	7520	2330	946	2000
1940	2310	1580	1640	1850	1620	3810	2320	987	1970
1890	2160	1680	1610	1840	1570	1710	2100	1240	1870
1760	2290	1870	1600	1840	1630	1160	2210	1290	2010
1900	2280	1910	1570	1740	1520	1650	2220	1380	1970
1940	2400	2220	1540	1700	1520	1960	2260	1180	1920
1820	2320	2100	1360	1730	1610	1780	2320	1100	1700
1870	2330	2050	1380	1800	1720	1780	2330	1250	1890
1920	2310	1880	1540	2000	1470	1650	2060	1040	2230
1800	2160	1920	1560	2030	1370	1360	2260	1140	2060
1890	2350	1930	1620	2180	1290	1080	2320	1060	4880
2320	2350	2000	1510	2030	1200	1480	2300	1070	8950
2270	2280	1970	1530	2010	1280	1750	2290	1050	7320
2110	2350	1920	1480	2320	1550	3290	2340	922	7780
1990	2310	1920	1600	6750	1960	4300	2440	1130	10300
1960	2100	1830	3640	7270	1660	2470	2230	1110	6420
2180	1820	2010	2340	4720	1510	3330	2940	1140	4290
3890	1940	1910	1760	3000	1500	3490	4410	1350	3910
3060	2540	1920	2720	2460	1420	2620	3310	1200	3620
3010	2350	1940	6840	2190	1410	2600	2760	916	3090
2470	2130	1900	3600	2080	1410	2990	2070	894	2060
2330	1960	1900	2500	2330	1460	2550	1730	850	2120
2340	1940	1840	2930	2230	1540	2190	1400	996	2540
2260	1890	1970	2390	2100	1360	1620	1880	1200	2550
2050	2040	1920	5610	2200	1250	1450	1840	2070	2290
2520	1920	1870	10900	2370	1200	1800	2160	2540	2550
2120	1950	1830	6080	2360	1200	1420	1780	1500	2640
2300	1960	1920	4250	2450	1270	1760	1980	1200	2750
2070	1960	1920	3380	2460	1310	2000	1580	1240	3030
1820	1960	1630	3340	2360	1360	1930	1320	1100	2950
1950	2790	1890	2620	2560	1360	1720	2300	1160	3300
2420	2790	1910	2240	3720	1190	1280	2300	1090	8080
2280	6070	2090	2100	5060	1010	1780	2350	1140	13400
2210	12200	2030	1950	3940	1660	1760	2100	1030	30000
2150	7340	2200	1960	3840	8950	1880	2000	947	32500
2060	4620	2860	2080	4780	6140	1880	1690	856	51600
2010	3990	2590	2160	3940	3000	1830	1300	1150	67100
2170	3710	2380	2260	3780	2790	1600	1880	1230	30500

2000	3330	2230	2220	3800	15400	1370	1860	1070	19300
1960	3330	2220	2290	3730	6090	1610	1900	962	13700
2030	3990	1970	2250	4870	4090	1820	1470	1080	10700
2040	3430	2080	2280	4400	3170	1700	1700	1000	9320
2020	4710	2020	2250	4400	2640	1180	1400	744	7350
2200	4950	1740	2320	4680	2140	1520	950	829	7470
2280	4350	1920	2600	6530	1810	1320	1560	920	6740
4270	4190	2180	3040	5120	1660	1090	1850	811	6880
3110	4020	2160	5480	3890	1560	1590	1700	936	6930
10600	4320	2160	5820	4090	1420	1680	1660	984	6350
26700	4590	2110	4400	3730	1490	1610	2040	767	23500
9540	3810	2110	3760	4440	4310	1870	1840	614	39400
5980	3420	2310	3370	6630	8330	1870	2060	1070	24100
4570	3540	2210	3130	6120	8460	1800	2300	1390	21200
3710	3600	2060	3030	6180	5790	1400	2180	1480	26400
3680	3270	2100	2920	5810	4410	1630	2340	1280	32900
3460	3270	1950	2690	5290	3750	1970	1880	1130	33500
3350	3240	1970	2570	5080	3060	1960	1800	1200	22400
3140	3180	2020	2520	4590	2660	1930	1400	958	20700
3110	3060	1940	2670	4280	2470	1800	1660	1070	18700
3110	2760	1790	2610	4120	2360	1830	4840	1190	15600
12500	2820	2070	2530	3560	2080	1360	3120	1510	26000
33500	3060	2030	2530	3460	1910	1490	2420	1350	28000
51600	3000	1830	2400	3400	1810	1910	2420	1350	23600
28000	2970	1640	2390	3220	1790	2040	2500	1160	19300
23700	2910	1780	2360	3350	1680	2060	1420	1370	17800
20700	2820	1850	2980	3310	1580	1980	1320	1390	15600
17400	2730	2930	9070	3410	1570	1920	1760	1460	14200
14000	2790	2290	5990	12600	1570	1630	1570	1150	13000
12300	2930	2060	10300	38200	1570	2220	1500	1040	11700
11300	6500	1820	10800	27000	1440	2160	1460	975	10500
9230	15600	1980	7260	20800	1470	1870	1100	880	9570
7780	13300	1670	5560	27900	1570	993	1140	686	8840
6900	8260	1390	4730	28300	1730	1430	1220	924	9190
7060	7500	1930	4400	40400	2060	1510	1900	1010	7820
9160	22600	1940	4780	38200	1980	1310	1580	746	7580
9300	19700	2010	4730	45800	1800	1540	1420	902	7500
8360	14500	2020	4450	31200	1660	2000	1440	1160	7380
7440	12200	1920	3780	22500	1540	1890	1430	1020	6840
6220	9700	1690	3280	17200	1420	1580	1460	906	6600
5350	8620	2780	3160	15200	1480	5950	1570	994	6940
5400	7140	2770	3600	15800	1520	5920	1490	1260	6780
5070	6380	2040	3380	15600	1340	9220	1560	1420	5540
4740	5860	2980	3100	15700	1230	17500	1690	1350	6040
4830	5440	3560	3210	13900	1400	12200	1900	1370	5950
9500	5070	2540	2810	12600	1460	21000	1770	1270	5130
13200	4740	1920	3260	11600	1420	20300	1560	1360	5590
10200	4590	1650	3610	10500	1380	10800	1420	1180	5670
9410	4320	1900	3630	9660	1360	7280	1420	2040	6840
8600	4110	1820	3830	9080	1320	5890	2300	1830	8740
7460	4080	1860	3840	9120	1250	5070	2520	1340	7340
7300	3930	1650	3790	8640	1240	4550	2630	1530	6100
6930	3840	1950	3700	8370	1320	4000	2460	1510	4450
6420	3690	1680	3820	8030	1320	3770	2080	1410	6500
6340	3660	1400	4110	7880	1330	3550	1550	2800	6760

5830	3510	1710	3920	7620	1240	3090	1760	7750	10400
5250	3330	1910	3800	7470	1220	2660	1720	11400	20800
5200	3360	2000	3580	7300	1210	2700	2030	7180	14000
4990	4440	2080	3440	7030	1120	2990	2350	4820	10600
4740	57100	1990	3110	6960	1340	2810	2240	8550	13300
5400	59400	2010	3040	6950	1260	2790	2040	15100	31300
9300	64500	2180	3160	6800	1270	2720	1060	16300	22800
18700	38000	2580	3070	6790	1190	2510	1970	14400	20800
37200	26200	2600	3070	6860	1250	2240	2220	8800	18700
37700	23200	2250	3010	6840	1160	2330	2280	6810	16100
61100	21000	2390	2960	6630	1370	2400	2370	5680	13800
45700	17200	2360	2260	6480	1620	2480	2440	5890	12600
32000	17700	2320	2340	5630	1650	2780	2090	3980	11900
24400	29700	2500	2450	5050	1610	2830	1040	3840	10300
20000	19900	2750	4720	4820	1550	2370	2230	3610	9240
18200	15200	3040	21500	4680	1310	2270	2560	3470	8670
23300	12900	5610	45800	4810	1200	2670	2730	3160	8380
24100	11400	11200	35700	4820	1400	2780	2620	2820	8640
31800	10900	6640	21900	4950	1720	2930	2530	20400	16600
37600	10500	4900	25400	4670	1800	2900	2370	30200	25500
88400	9660	3300	19000	4750	2030	2850	1930	39100	19200
53700	10800	3290	13600	5330	2080	2570	2660	21300	17400
35200	12200	4660	12900	4850	1670	2220	2820	14200	18200
26900	10800	5340	13500	4690	1780	2590	2610	11100	17600
22400	9840	4560	11600	4560	3280	2770	2720	10200	17000
18400	9210	3720	10100	4570	2640	2480	3540	9010	22000
16200	8580	3760	9390	4540	29200	2600	2170	7020	23200
14200	8340	3240	8580	4270	22700	2460	1670	6770	20200
12700	8100	2870	13100	4180	13900	2400	2240	6180	18200
11400	8140	3060	11600	4250	9940	2640	2530	6020	16200
10900	8300	2980	9750	4170	7540	2930	2430	6340	14100
10300	8420	3040	9080	4060	6040	3050	2260	6380	13400
9850	8580	3000	8760	4180	5230	2900	2000	5990	12500
9120	8580	3150	7820	4100	4580	2870	2050	5960	11900
8760	8850	2780	7220	4180	4380	2810	2060	5780	10500
8700	9210	3030	6540	5100	3860	2320	2600	6180	10100
8330	11500	4000	6070	5330	3370	2700	3080	5900	9520
7560	13000	3680	5710	5080	3080	2600	4160	5670	8990
7600	12400	3530	5370	5110	3130	2920	3950	5620	8290
7480	11800	3410	4970	5580	2930	2980	3810	5700	8130
7240	10800	3100	4790	5340	3030	2870	3720	6020	8480
7120	10200	2460	4700	5480	3240	2860	3540	6350	8020
6660	9800	4020	4580	6950	3130	3040	3600	6990	7680
999999	999999	5950	999999	999999	999999	2800	999999	999999	999999
6200	9260	5620	4390	6510	2860	2530	3490	7230	7520
6220	8620	4840	4300	6240	5040	2680	5150	6600	7180
6360	8420	5070	4270	6040	7180	2750	8310	6660	7100
6040	8940	18100	4130	5830	6740	2650	6700	6850	7280
6080	11000	9260	4010	5590	5680	2590	5620	7500	8270
6340	15100	6600	4120	5410	4980	2560	5090	7480	7980
6610	17400	5660	3960	5340	4630	2150	4450	6980	9550
6650	24500	5380	3820	5460	5000	2340	4260	6240	8620
6990	36200	5610	3690	5570	5000	2330	4060	6080	9640
7360	39400	6180	3660	5860	15200	2180	6710	5560	8920
9560	36300	6660	3480	6420	13200	2200	12900	5650	7480

11400	31500	6820	3680	6340	9640	2270	12000	5000	7510
11300	26800	7180	4760	7970	8140	3260	7300	4610	7720
11400	28300	6500	5010	7320	7350	3420	5930	5000	8130
10600	25200	5760	5470	6640	6780	2540	5620	4450	8470
10000	21400	5340	5750	6440	6460	2820	6740	4120	8550
9720	18700	5440	7080	6060	6480	2920	7700	6240	8560
9590	17500	6060	6130	5970	6780	2480	8020	7690	8260
9300	16000	6210	5340	6360	6920	3090	9570	11400	8260
8490	14700	6150	5380	6540	6380	2520	9660	14300	8440
8150	14100	6010	5960	6480	6080	2280	8620	11200	8870
8070	14000	5820	7190	6340	5870	2210	8500	14300	9070
8080	13400	5870	7940	6240	7140	8260	7940	13800	8870
7800	12900	6100	7340	5910	6100	13800	7260	14600	8600
7590	12400	6380	7700	5710	5850	8430	6350	13700	8150
7220	12900	6340	10300	5930	5540	5800	5790	11600	8900
6960	14300	6100	8420	6410	5230	5000	5720	10700	8580
6790	14600	5860	7500	7240	6390	4780	5960	9810	8440
6800	17000	5720	6980	8870	8100	4620	5860	9240	8380
6950	18800	5790	6540	8870	13100	5150	5620	8830	8340
7110	16600	6040	6460	8040	11500	5470	5300	8740	8100
7700	15200	6540	6780	7880	9520	5470	5160	8940	7780
8070	15000	7020	6210	7530	8400	6220	5160	9780	7660
11700	15100	7980	6210	7230	9070	7960	5200	10500	7740
24500	14600	9260	5900	7370	7900	7290	5440	10100	7980
25700	16900	9030	5790	7730	6980	6730	6070	10000	8340
21400	15800	8180	5790	7800	7160	6410	6280	14400	8400
18300	15000	7700	5790	7630	6740	5750	6780	14400	8420
16900	16500	8300	6350	7400	6450	5580	7140	14300	7680
16400	15000	7860	6100	7360	6620	15100	7780	12300	8260
17400	13500	7180	5960	6850	6150	17900	8420	11700	9520
17000	12400	8020	5900	6720	5990	13600	9570	11100	10100
17100	12100	8420	5760	7080	5870	11100	10500	10600	9770
19600	12300	7940	5540	7650	5510	9630	10700	13000	9860
25000	12800	7700	5400	7860	5530	10600	10800	12600	9440
21100	13500	7420	5370	8620	5890	18200	11400	11500	8920
20500	14000	7180	5440	9880	5960	19800	11400	11000	9360
20400	15000	6820	6660	11300	6100	31100	12000	11400	9300
18200	15300	6580	7680	12400	5610	25100	11800	12500	9190
17000	15000	6780	9160	12700	5190	19600	12800	13100	8690
16700	14600	7140	10500	11800	4860	17600	12300	13900	8420
15500	13000	6660	11800	10600	4700	16400	12000	14900	8200
16100	12500	6500	11300	10300	4680	18200	12400	15500	6760
15900	11900	6540	10400	10700	4380	17200	12600	15400	6640
14100	11800	7060	10800	11600	4260	15000	11800	14100	7000
13400	11200	7220	10600	12200	4030	13800	11100	13000	6940
12400	10200	7060	9700	12300	3870	13700	10400	12600	6710
13300	11100	6940	9300	11400	3610	13900	10000	12600	6150
13100	17600	7300	9260	10800	3700	15000	9160	12300	8050
12200	16200	8180	9260	11000	3840	14300	8900	11000	7320
12300	13700	9120	9660	10300	3790	14200	7980	10300	7320
13000	11700	10300	10400	9970	3810	12600	7660	10700	7050
11800	11600	10700	11000	9880	4330	11300	8100	10700	6860
11200	11100	11000	11300	9860	4370	10900	8380	9970	7340
10800	10800	10600	11000	9840	3920	10800	7780	8920	9260
10300	10200	11500	10200	9480	3710	11600	7660	8670	8520

10500	10400	12400	9120	9710	3920	13300	7500	8540	8560
11100	10300	12800	8760	9700	3860	14700	7540	8120	8260
11600	8800	12400	8980	9360	3620	12600	7340	7320	8100
12200	7480	12600	8580	8560	3410	11000	6660	7240	8420
12000	7140	11700	8980	8390	2860	10200	6740	7660	8760
11800	7170	10300	8500	7890	2490	10000	8380	8100	9860
10800	6760	9260	7460	7320	2580	10200	8580	8910	8830
10100	6450	8460	8940	7120	2760	10800	8420	9660	8320
10800	6220	8670	11200	6790	2680	11600	8580	10100	7460
13600	6170	8380	9520	6470	2600	11000	7780	10300	7660
14100	5750	7000	8760	6520	2650	11400	7900	11000	7800
13800	5380	6420	10500	6620	2450	13600	7780	11000	8040
13900	5500	6290	9210	6810	2400	12800	6820	11000	8000
13700	5380	5960	8850	7020	2480	11300	6100	10300	7800
14400	5410	6040	8260	6690	2520	10700	5620	9750	6820
14500	5380	6540	7700	6340	2480	9980	5070	10300	6680
16100	5470	6700	7380	5720	2410	8710	4870	9920	7040
16400	5840	6530	6980	5620	2380	9080	5130	10500	6820
15900	5820	5620	6580	5290	2400	10400	5230	10700	6500
21700	5680	5310	6210	5020	2370	11500	5300	10500	6420
22500	5570	5290	5820	5770	2340	11800	5230	9980	6350
19700	5920	5430	5340	5640	2350	11800	4810	9510	6000
17600	5920	5570	4890	5270	2370	10600	4090	10100	5800
15300	5400	5200	5370	4980	2320	8910	3830	8650	5790
14400	5160	5040	5650	4640	2250	10500	3860	8810	4740
13800	6640	5010	5510	4530	2360	9710	3570	8580	4480
13200	9820	6740	5370	4430	2930	8900	3510	8280	4890
12800	11100	5720	5160	4150	2670	9270	3300	7840	4200
11800	8310	5600	4890	4200	2350	9800	2970	7240	4320
12200	8100	4610	5370	4070	2170	9360	2640	6380	4060
12600	7040	4310	5480	4000	2140	10200	2610	5940	3660
12400	6630	4220	5680	3800	2400	9270	2970	5650	3370
11300	5540	4180	5510	3670	2800	9280	2790	5110	3170
10800	5150	3770	5230	3460	5020	9080	2940	4930	3430
10700	4920	3470	5010	3280	3700	9980	2820	4360	2930
10500	4690	3220	4710	3310	2890	9300	3000	4400	2990
10000	4510	2930	4590	3240	2280	8610	2550	4000	2860
9570	4880	2980	4410	3130	2280	8330	2300	4240	2580
9300	5680	2880	4350	3010	2290	8000	2470	4090	2370
9190	4200	2910	4170	2920	2060	7830	2500	4080	2580
9260	4220	2870	3900	2860	2080	7760	2420	3730	2460
8670	3940	2690	3570	2660	2120	7440	2330	3690	2420
8120	3770	2540	3150	2630	2200	7080	2300	3050	2390
7900	3660	2180	3090	2680	2250	6310	2280	3200	2780
7820	3560	2100	3150	2780	2180	5640	2220	3520	3070
7320	3440	2210	3070	2740	2120	5290	2250	3400	3000
6880	3220	2400	2930	2570	2070	5250	2350	3280	2940
6800	3370	2290	2790	2560	2040	4520	2280	3140	2800
6420	3140	2420	2750	2380	2080	4330	2250	3200	2800
6210	3030	2400	2760	2510	2150	4020	2200	2480	2300
5660	2980	2310	2790	2470	2280	3970	2120	2390	2600
5340	2740	2310	2820	2500	2270	3830	2100	2750	2750
5050	2480	2330	2820	2450	2250	3530	2140	2420	2750
5010	2660	2400	2660	2460	2140	3490	2100	2560	2700
4810	2690	2300	2570	2540	2090	3880	2130	2480	2680

4870	2700	2170	2530	2410	2120	3680	2220	2310	2700
4860	2630	2140	2480	2390	2250	3550	2180	2230	2350
5110	2690	2160	2460	2380	2180	3440	2120	2180	2500
4680	2640	2260	2510	2360	2170	3220	2100	2160	2400
4140	2420	2380	2500	2370	2170	3060	2160	2120	2400
4230	2370	2330	2440	2380	2160	2820	2140	2140	2400
3810	2450	2290	2400	2360	2150	2950	2120	2190	2450
3850	2380	2280	2400	2390	2130	2960	2110	2170	2450
3720	2370	2310	2330	2400	2130	2850	2100	2120	2450
3670	2360	2270	2250	2330	2070	2740	2120	2120	2400
3540	2130	2260	2280	2280	2060	2370	2120	2140	2250
2830	2140	2250	2280	2240	2060	2370	2090	2170	2260
3090	2080	2250	2250	2330	2060	2440	2080	2170	2240
3070	2210	2250	2210	2430	2060	2370	2080	2180	2220
3030	2210	2280	2180	2480	2060	2350	2100	2140	2210
3000	2270	2250	2170	2440	2080	2320	2080	2100	2210
2950	2200	2250	2140	2410	2100	2280	2090	2080	2220
2940	2240	2230	2210	2370	2280	2250	2080	2080	2170
2830	2090	2200	2380	2360	2330	2200	2100	2090	2150
2620	2150	2210	2430	2360	2170	2150	2090	2080	2150
2810	2170	2220	2390	2380	2090	2140	2090	2060	2170
2760	2160	2190	2380	2430	2280	2120	2090	2030	2170
2650	2160	2180	2330	2430	2390	2130	2070	2000	2140
2540	2200	2160	2260	2410	2480	2140	2080	1980	2130
2610	2160	2160	2350	2360	2360	2120	2080	1980	2080
2540	2130	2200	2250	2420	2360	2110	2060	1980	2080
2280	2130	2180	2180	2480	2320	2100	2080	1980	2120
2430	2110	2240	2180	2420	2060	2120	2070	1980	2100
2400	2060	2260	2160	2340	2350	2060	2080	2000	2130
2440	2060	2250	2130	2320	2340	2010	2100	1980	2130
2420	2010	2240	2130	2310	2340	1990	2100	1960	2090
2400	1930	2230	2180	2310	2420	1980	2130	1980	2080
2350	1910	2220	2240	2330	2400	1980	2100	1890	2040
2200	1870	2200	2260	2300	2300	1940	2100	1890	2040
2390	1900	2190	2240	2250	2020	1950	2080	1930	2040
2310	2070	2160	2210	2240	2320	1950	2080	1920	2030
2380	2190	2140	2180	2190	2290	1920	2040	1920	2040
2320	2220	2120	2130	2220	2260	1910	2060	1920	2030
2320	2130	2120	2210	2260	2250	1900	2060	1900	2040
2260	2120	2110	2180	2280	2270	1910	2040	1900	2050
2130	2080	2130	2170	2280	2240	1900	2020	1880	2080
2200	2020	2090	2100	2280	2000	1880	2000	1880	2060
2210	2040	2090	2110	2290	2170	1860	1990	1890	2050
2240	2010	2030	2060	2170	2240	1850	2010	1860	2040
2160	2000	2010	2040	2430	2230	1840	1980	1850	2040
2240	2000	2000	2070	2380	2280	1840	1960	1840	1960
2160	2000	2030	2110	2390	2340	1810	1940	1810	1940
2070	1940	2090	2070	2420	2340	1800	1980	1780	1940
2040	1980	2090	2080	2440	2230	1810	2020	1820	1920
2130	1990	2100	2030	2340	2280	1800	1940	1780	1920
2090	1970	2090	2090	2370	2290	1800	1900	1760	1910
2130	1940	2080	2120	2410	2280	1800	1900	1760	1910
2130	1850	2070	2070	2380	2040	1790	1850	1720	1900
2030	1770	2070	2070	2320	2040	1790	1860	1730	1890
1990	1840	2070	1970	2300	1880	1800	1850	1700	1870

2140	1950	2070	1940	2190	1870	1800	1860	1780	1830
2330	2040	2060	1880	2130	2020	1790	1820	1800	1800
2220	1950	2040	1850	2080	2100	1780	1780	1780	1780
2260	1950	2020	1950	2200	1980	1770	1780	1740	1740
2310	1930	2010	2020	2120	1980	1760	1880	1700	1720
2320	1910	2010	2070	2310	2000	1790	1840	1690	1730
2210	1840	2030	2030	2460	1920	1760	1780	1670	1980
2210	1840	2040	2070	2130	1860	1750	1770	1680	1950
2320	1800	1980	2090	2030	1860	1760	1740	1710	1710
2290	1760	1950	2070	2010	2050	1720	1700	1690	1700
2320	1740	1950	1990	2350	2030	1730	1620	1690	1690
2280	1720	1950	2070	2260	1880	1700	1600	1660	1780
2300	1770	1940	2070	2160	1900	1700	1530	1760	2120
2160	1760	1910	2100	2010	1900	1690	1550	1680	2050
2130	1770	1800	2090	1990	1860	1690	1270	1660	2020
2210	1790	1780	2070	1940	1740	1680	1250	1700	1860
2180	1800	1660	2020	1910	1700	1700	1200	2070	1700
2260	1800	1640	1980	1950	1700	1700	1170	1770	1730
2140	1780	1600	2070	1940	1650	1660	1110	2000	1790
2290	1740	1600	2070	1930	1650	1660	1120	2170	1870
2100	1720	1600	2040	1940	1960	1650	1120	2060	1990
2160	1690	1570	2060	1920	2060	1650	966	2160	1890
2220	1620	1610	2020	1860	1860	1650	924	2100	1870
2300	1560	1560	1870	1920	1920	1680	970	2170	1700
2390	1540	1420	1940	2040	1640	1660	970	1840	1900
2360	1540	1580	2060	1940	1450	1600	886	2020	1700
2380	1530	1620	2040	1990	1480	1680	886	2150	1920
2260	1520	1570	2040	1940	1290	1710	1040	2120	2070
2360	1520	1600	2180	1840	1240	1740	984	1780	1960
2410	1520	1600	2060	1820	1520	1680	1120	2000	1740
2380	1540	1510	1800	1750	1700	1790	1040	1670	1520
2360	1560	1420	1990	1780	1720	1860	1040	1760	1980
2380	1560	1410	2120	1900	1480	1930	1000	1810	2210
2390	1500	1520	2100	1840	1460	1960	858	2020	2280
2250	1520	1550	2100	1690	1520	2160	1110	1860	2150
2320	1600	1570	2090	1660	1200	2020	1040	1860	2130
2350	1620	1570	2060	1580	1570	2080	1110	2040	1970
2360	1620	1500	1940	1520	1790	2140	1150	2180	1510

1952	1953	1954	1955	1956	1957	1958	1959	1960	1961
2030	2580	2750	2620	1350	2730	2840	1860	1680	1680
2870	2580	2750	2620	1260	2760	2820	2480	1680	1670
3050	2590	2710	2630	1300	2790	2890	2720	1680	1590
2010	2560	2720	2630	1430	2800	2920	2720	1680	1370
1900	2560	2720	2540	1500	2850	3330	2450	1650	1390
1910	2570	2740	2620	1590	2850	3620	1950	1620	1430
1860	2540	2790	2730	1700	2820	3120	2300	1640	1480
2250	2570	2870	2750	1450	2800	3020	2410	1640	1430
2200	2570	2820	2650	1260	2880	2950	2400	1650	1440
2000	2550	2800	2630	1460	2860	2910	2410	1660	1390
2290	2580	2920	2640	1800	3060	2910	2380	1660	1360
2330	2570	2820	2630	1700	3210	2900	2370	1660	1380
2500	2550	2800	2630	1640	3010	4330	2440	1900	1380
1820	2560	2810	2630	1630	2870	4720	2530	1920	1370
2350	2540	2760	2620	1590	2780	3360	2450	1920	1360
2280	2540	2760	2770	1560	2790	3160	2230	1960	1350
2200	2550	2750	2910	1450	2860	3060	2240	1960	1350
2280	2580	3120	2930	1450	2920	3000	2310	1960	1350
2480	2640	3090	2980	1590	2940	2970	2410	1950	1350
2470	2570	2660	2990	1670	2920	2970	2420	1940	1350
1380	2570	2660	2920	1670	2910	2970	2340	1900	1350
2300	2560	2580	2920	1680	2880	3020	2290	1950	1340
2350	2550	2500	2980	1370	2970	3090	1860	1940	1350
3150	2550	2480	2830	1440	3060	3990	2030	1940	1430
4480	2600	2500	2800	1680	3020	4070	1970	1940	1650
3170	2610	2490	2850	1740	3150	3640	2290	1970	1670
2870	2620	2510	2900	1800	3510	3540	2290	2000	1690
2180	2590	2480	2930	1820	3320	3450	2290	1940	1640
2300	2570	2480	2980	1760	3150	3450	2530	1920	1630
2340	2560	2480	2980	1540	6140	3450	2470	1940	1630
2290	2550	2460	2980	1610	6070	3210	2590	1920	1630
2330	2570	2450	2980	1800	4090	3080	2710	1940	1630
2410	1910	2480	2930	1910	3660	3000	2660	1800	1630
2530	2550	2460	2910	1870	3670	2980	2540	1670	1630
1630	2550	2500	2910	1800	3460	2970	2520	1680	1530
1910	2520	2520	2910	1510	3250	2950	2550	1660	1410
2380	2550	2660	2880	1340	3510	2940	2730	1650	1410
2350	2550	2640	2850	1460	3860	2940	2730	1650	1430
2120	2550	2560	2870	1800	3850	2910	2700	1650	1470
2120	2550	2520	3220	1760	3820	2950	2730	1650	1440
2210	2440	2630	3100	1760	3750	2960	3040	1640	1430
3160	2550	3250	2950	1760	3750	3160	3300	1640	1480
4310	2340	3040	3730	1550	3810	3100	3030	1640	1990
4780	2650	3240	3340	1460	3790	4120	2970	1640	2600
3400	3730	5600	3160	1750	3780	13100	3480	1640	3000
3160	3660	4310	7590	1920	3590	6210	3210	1730	2950
2750	2390	3260	7400	1920	3380	4360	2980	1590	2770
2660	2270	3450	4480	2200	3180	4130	2700	1660	2740
2480	2740	3740	3730	2450	3090	3900	2850	1680	3590
2420	2690	3780	3560	2410	3090	3640	2910	1670	3510
5740	2640	3900	3460	2430	3060	3450	2850	1660	3000
5960	2730	3800	3460	4700	3040	3370	2910	1660	2790
4180	2740	4010	3410	3330	3030	3250	2850	1660	2300

3140	2250	5690	3350	2360	3000	3210	2850	1660	2250
3150	2500	6790	3320	2120	2820	3190	2850	1660	2360
3140	2610	5120	3340	2100	2350	3160	2810	1640	3310
2810	2330	4150	3340	2040	2180	3140	2620	1640	5710
3490	2580	3880	3330	1740	2130	3100	2710	1640	3740
4420	2610	4090	3340	1810	2260	3090	2740	1590	3250
6210	2630	3630	3340	1810	2320	3070	2680	1640	2900
5440	1940	3700	3350	1920	2340	3060	2800	1640	2820
28800	3270	3730	3400	2550	2320	3090	2800	1650	4510
21500	3640	3880	4480	2630	1710	3060	2810	1650	8560
13300	3450	3820	5840	2200	2440	3010	2810	1640	4950
12800	2850	4890	5210	1980	2310	3000	2790	1660	3580
12600	3090	3670	4740	2180	2460	3020	2800	1660	3180
8550	3450	3640	7590	8450	2440	2800	2790	1650	2960
7010	7180	4290	7560	5170	2160	3000	2780	1640	2880
5820	6140	4130	5260	3370	2140	3000	2840	1620	2810
4860	5020	4180	5460	3920	1740	3040	2910	1640	2760
4800	5790	3940	5190	3490	1900	3010	2770	1460	2880
4520	6460	3910	4420	2260	2200	3020	2780	1420	2890
4530	5340	3370	4070	2570	2320	3000	2780	1420	2840
4330	4530	3110	3930	2780	2370	3030	2700	1440	2830
4590	3790	3630	3890	2900	2370	3000	2840	1440	2820
4030	3420	3100	3650	2770	2350	3660	2880	1540	2830
3050	3260	2990	3520	2920	2290	14600	2830	1650	3110
3550	3270	2980	3460	4620	2310	14900	2860	1620	4820
4020	4120	2840	3430	7110	2370	15100	2790	1580	4860
4380	4840	2330	3370	50500	2700	8690	2860	1480	4020
3580	5900	2320	3240	65900	2670	7710	1460	1450	3660
3660	4840	3380	3330	49500	2370	9680	1500	1460	3450
3580	4260	3240	3330	150000	2250	10400	2820	1460	3350
3620	4010	2680	3320	172000	1960	7570	2930	1500	3280
3740	3960	2720	3090	90800	2020	6040	2900	2350	3190
4110	4190	1980	3090	43300	1910	5530	3130	2590	3150
14300	4970	2320	3050	62300	2090	5110	3130	1350	3090
24300	6000	1990	2960	49600	1980	5000	4120	872	2810
32900	4780	2140	2960	31200	1820	5190	3540	1270	2300
28600	4420	2280	3010	20400	2010	5530	2990	1700	2150
19200	7580	2490	2660	16700	1960	5200	2660	1820	1990
13800	6980	2490	4070	14500	2250	4860	3090	1850	1730
10800	5070	1980	6340	13500	2170	4560	3060	1740	1700
8850	4790	2010	5110	12000	1950	5300	3060	1580	1680
8020	4810	2100	3560	10700	2200	4870	2990	1550	1780
7330	4480	2300	3590	11200	2050	4470	2930	1560	1720
6620	4380	2440	2950	14800	1530	4230	3160	1570	1720
6960	5370	2340	2270	14500	1570	4000	4280	1610	1680
5860	9120	2740	2240	17700	1760	4020	3650	1650	1630
6100	18000	1800	1840	19500	2130	3960	4010	2660	1640
5700	97100	1930	1810	14200	2550	3880	12100	1980	1740
6000	48100	1500	2430	13800	2120	5270	11500	2140	1910
8210	26800	1520	1900	13300	2030	6520	9980	2720	1810
13700	26900	1370	1770	12200	3050	5760	22700	1910	1770
10600	40300	1410	2070	16500	5290	5760	17200	1300	1740
11200	30700	1400	1890	35000	3980	5130	9400	1710	1660
12200	20700	1310	1930	59500	3340	4740	6240	1350	1670
8650	16100	6730	1920	49100	3050	4590	5050	1040	1690

8340	14200	16300	2180	31500	2920	4390	4670	972	1690
7100	17400	7570	3140	24300	2850	4200	4370	1680	1820
5670	25000	5030	2420	19900	2810	4040	4190	1810	1770
6710	30800	2680	1910	19300	3630	4330	4010	1470	1640
6690	27900	3120	1790	19000	3130	3890	3830	1840	1500
6230	20300	3210	1790	19000	2860	3830	4310	2060	1350
6280	16400	12400	1790	22500	2770	3680	3680	1900	1610
13300	14100	12200	1800	18800	2570	4840	3710	1800	1320
18900	12400	7500	1740	19000	2610	5650	4430	4350	1820
16300	11200	6000	1670	22300	2630	13200	4730	5700	1540
12300	10000	5360	1710	20500	2330	8180	4370	4630	1930
10400	9180	4890	1760	16700	2290	6220	5260	4720	1530
9480	8580	5120	1740	14800	2340	15000	4640	3490	1720
9030	8180	5010	1730	13400	2330	20700	4370	2720	3000
11300	7940	4230	1980	12400	2410	12900	4130	2620	14000
34500	7760	4450	2470	11300	2400	10400	3950	4570	11300
47600	7310	4480	2110	10400	2610	10300	3890	9820	8490
31800	7410	4420	1920	9690	2340	15500	3830	5390	7800
23000	7040	4350	1880	9320	2130	15000	3740	4310	5860
19200	7330	4260	1680	8950	2020	18000	3650	4350	4390
17000	7240	4180	1670	8560	2060	15000	3650	3970	4170
15700	7640	4170	1610	8360	2140	15200	3620	18300	3790
14700	7960	4120	1580	8150	2670	19600	3620	95800	3540
13200	7680	4090	1530	7870	2620	19000	3560	37500	10000
12800	7360	3930	1680	7710	2130	16800	4310	21800	11500
13800	7160	3580	1700	7730	2430	14100	4310	14100	11000
13100	6380	8620	1640	8000	2520	29700	4040	10400	9470
12000	6070	22600	1530	7990	2910	25600	3830	8090	6870
11000	5910	16400	1590	7930	3270	20300	3740	6630	5960
10400	5280	11500	1720	7790	3450	24300	3800	5830	6040
14400	4790	9410	1880	7420	3780	28900	18500	5380	6120
17000	4780	16500	2360	7000	2970	23800	25900	4690	5290
14600	5660	16600	3000	6450	4000	20600	20600	4690	4450
13200	5200	11900	2290	6420	4180	35900	16300	4120	3970
13500	4510	9890	2180	13000	4540	29200	12600	3550	3920
12000	4260	8520	2070	17000	5090	22400	11100	3320	3840
11200	4630	7600	1980	41300	6020	19000	9670	3110	3190
11200	4760	7000	1980	43900	14900	16900	7530	2990	3330
10200	4340	7060	2000	22200	59000	41900	6940	3070	3110
10500	4230	6970	2000	16900	56900	71400	6380	2920	2870
10400	4220	6430	2250	14000	42100	40400	5610	3030	2690
10200	4320	7430	3390	12600	31900	28200	5580	2650	2870
10200	4480	6960	2280	11500	19700	21600	5640	2410	2560
10300	999999	999999	999999	11100	999999	999999	999999	2640	999999
11400	4550	6620	2110	10400	14600	17600	5750	2770	2600
10700	4420	6280	1950	10600	12700	14900	6180	2350	2400
10500	4270	6270	2080	11000	11600	13600	6760	2580	2420
11100	4030	5780	2120	12000	12500	12300	6480	4880	2520
10100	4150	5720	2000	12000	19500	11300	5810	13700	2460
10500	4300	5800	1820	11200	19300	10400	7000	16500	2900
11500	4330	5420	1950	10400	15500	9490	6800	30500	2700
10400	4520	7860	2080	10100	13300	9400	6740	27400	2540
9970	4550	44700	2780	10100	14300	8750	6640	17700	3180
11000	5850	45200	4380	10300	12400	7730	6640	13200	3090
10600	5850	27000	3980	10700	10700	7910	6490	10900	2940

10400	6380	18700	3930	10600	12300	7600	6360	11000	2720
9880	5850	14800	3980	10700	10900	7910	6560	12200	2740
9700	5230	12400	4180	10800	9480	8730	6510	10600	2980
15800	4940	10400	4030	10600	9540	8910	6360	8640	6560
12600	5460	10800	3330	10600	9940	8170	6230	7680	6020
10600	5170	10300	2880	11200	8910	8360	6280	7480	6130
11800	5140	9160	3080	12000	7620	7520	6370	7500	5110
11200	10000	9160	2930	12900	6860	7600	6370	7280	4480
9900	10800	8650	2460	13600	6600	10100	6160	7600	5580
9170	8850	8440	2880	13900	6600	25400	6210	7620	5270
8650	8020	7700	2330	14300	6350	22900	6580	7880	5190
8260	7580	7520	2460	14900	5810	21500	6820	8080	7900
8340	8100	7780	2460	15700	5530	20800	6990	8020	8850
9750	8620	7320	2980	16700	5390	17300	6310	8600	8120
13100	8960	6960	3180	17500	5270	15200	6720	8600	7080
14500	8940	6860	3430	16000	5190	13700	6510	10900	7060
16100	8830	6900	4480	14000	5240	12600	6740	12100	6300
18800	8780	6830	7280	13200	5510	12500	6120	10200	5620
19900	8620	7560	6960	13300	6610	21800	7230	12000	5430
21100	8420	6900	5540	13400	6510	17600	7350	12600	5260
22000	8500	6960	4980	12900	5860	23200	7180	10600	5270
22000	8560	6840	5140	11800	5450	26700	7410	9640	5550
23000	8940	7940	4250	11000	5350	25100	7670	9350	6740
25200	9290	14200	3980	10400	5420	19200	7860	9130	8010
28500	10100	31700	3640	10600	5470	16900	8030	8930	7610
31600	10800	27400	3540	11000	5530	16800	8170	8890	6830
35200	9830	20800	3430	11600	5330	15300	8110	9440	6440
34200	9120	17300	3530	12000	5460	14600	7180	9290	5580
31100	8330	15200	3920	12700	5110	15100	5720	9000	5260
28900	8130	13700	4250	13600	5150	15400	5600	8500	5100
28000	7600	12400	4510	13600	5120	16100	6000	7700	4580
27900	7270	12000	4560	12900	5030	18300	5700	7140	4870
28600	7010	12400	4060	12200	4950	19100	5550	6330	5020
27500	6790	13000	3730	11800	8800	20400	5430	6320	4350
25000	6820	13200	3450	11900	8150	21300	5270	6380	4260
24300	7210	13700	3390	11700	6140	21300	5070	5830	4250
25400	7620	14500	3800	12000	6980	22000	4970	5120	4850
27700	7400	14500	4220	11900	7390	21200	4870	5200	5120
30400	7110	14500	4040	12600	6380	21400	4800	5720	4500
29200	7640	14700	4460	13700	5850	21900	4730	5670	4030
27000	8800	14200	5880	14700	5700	22900	4730	5660	3850
26800	11000	14100	6300	15300	6230	24100	4740	5610	4890
28100	12900	13900	5620	16300	6480	21900	4750	5500	4390
30000	13200	13800	5660	16500	5830	19200	4770	5380	3850
31900	12900	13000	5690	16300	5720	17500	4950	5130	3780
34900	12400	12600	6050	16900	5280	16700	6810	4950	3850
36600	32600	17200	5380	15400	5260	16300	6100	6120	3950
37100	28300	19500	5460	14000	5300	16300	5150	5510	4150
33100	20500	14800	5400	13300	5420	16700	4990	5040	4460
30400	17500	12800	5230	13000	6270	17200	4970	4610	4860
31600	15400	11200	4970	13100	6740	16900	5120	4290	5060
29700	13900	10000	5030	13200	8190	17400	5020	4750	5310
28700	12900	9460	5040	13400	7610	17600	4820	4810	4740
26300	12700	9160	5200	23200	7050	18100	4640	4780	4790
24200	13000	9350	5460	21000	6980	19000	4500	4650	4330

23300	13200	9570	7620	18900	6970	19700	4390	4560	4680
26000	12900	9930	8300	17500	6460	18900	4380	4800	4620
31400	11900	9950	9700	16100	6660	18400	4360	5200	4300
26100	10800	9790	10600	14900	7110	19100	4370	5130	4170
24600	9710	8760	10100	14400	5950	19700	4360	5130	5780
24900	9010	8650	9930	14700	5260	20300	4350	5220	5780
24400	9520	8420	9860	13500	5060	20200	4330	5270	5490
23500	9660	8080	9860	12400	4920	17600	4370	5170	5350
22700	9750	7620	8670	11900	5080	16200	4360	4760	5090
22100	9620	7380	6860	11800	4860	15900	4310	4270	4790
21600	10400	6900	6210	12400	4200	17100	4130	4150	5160
22600	10100	6930	5930	13200	4330	17900	4020	4140	5140
22800	10800	7090	5990	13600	21300	19100	3780	4250	5170
22600	14400	7380	6960	13500	24600	18900	3290	3820	5460
21800	14800	7270	7500	14200	17800	18200	3210	3790	5340
21800	14200	6650	7380	14700	14600	17500	3150	3880	5020
21000	12200	6300	7360	15100	12400	17100	3150	3670	4850
21000	11800	5110	7020	15400	10500	17300	3350	3630	4510
21200	10800	5460	6660	14600	9650	16600	3320	4410	4260
21300	10300	5730	5850	13800	8940	15900	3310	3990	4300
21200	10200	5320	5460	13200	7860	15300	3190	4050	4180
21200	9440	5170	5320	12900	7710	15100	3390	4180	3560
20700	9210	4930	5190	11700	7230	14100	3340	4460	3450
19500	8980	4420	4940	11300	6810	12900	3040	4510	3420
18900	8660	4160	4710	11600	6560	12500	2770	4210	3690
18300	8760	4040	4960	11700	6400	12400	2740	4000	3960
17400	9160	3940	4390	11300	6340	11800	2620	3990	4530
16700	9260	4080	4000	11400	6040	12900	2540	4240	4530
16100	9160	4180	4320	11400	5420	12900	2490	4220	4330
15700	9260	5080	4300	11300	5160	10900	2500	3950	3880
15900	9550	4420	4420	10200	5010	10300	2580	3640	3580
15500	11500	4480	3870	9340	4880	10000	2480	3690	3340
14800	12600	4310	3530	8750	4710	9700	2430	3810	2890
15200	11300	4540	3590	8060	4590	8960	2360	3700	3020
15100	10700	4910	3790	7620	4520	9080	2280	3610	2930
13400	9440	4470	3210	7300	4630	8810	2220	3530	2520
12600	9010	4500	3150	7200	4840	8720	2200	3430	2320
11100	9100	4420	3140	6860	4590	10600	2180	3370	2660
10100	10300	4310	3230	6580	4240	12900	2130	3310	2970
9460	8260	4230	3100	6500	3930	12200	2080	3040	2840
9030	8200	4160	2980	6640	3790	11600	2130	2850	2720
8790	8990	4150	2870	6810	3250	11500	2240	3150	2720
8680	9570	4070	2730	6460	3590	11300	2380	3100	2450
9060	9910	3880	2420	6460	3540	10600	2370	3080	2230
8900	9980	3710	2340	6460	3220	10500	2340	3030	2490
8740	9260	3580	2310	6260	2850	9170	2310	3000	2420
8760	8340	3470	2280	6000	3140	8860	2290	2970	2360
8020	7940	3450	2250	6060	3030	8320	2260	2930	2420
8380	7460	3450	2290	6020	2750	8090	2200	2890	2420
8770	6950	3400	2300	5730	2890	7500	2180	2870	2400
8060	6630	3580	2310	5250	2910	7050	2190	2830	2380
7650	6400	3330	2290	4860	2690	6160	2190	2800	2560
7500	5820	3220	2270	4410	2550	6220	2180	2790	2720
7460	5710	3210	2250	4440	2550	5160	2180	2770	2740
8230	5550	3150	2250	4450	2520	4820	2180	2760	2720

7280	5550	3160	2240	4550	2460	5000	2240	2740	2680
6560	5160	3160	2210	4180	2430	4670	2720	2710	2680
6380	5020	3630	2160	4320	2410	4980	2770	2720	2660
6520	4950	3350	2150	4210	2380	4790	2760	2720	2660
6100	4450	3100	2150	3850	2380	4780	2760	2700	2660
5660	4240	3040	2140	3730	2490	4560	2760	2690	2660
5200	3860	2980	2110	3630	2310	4160	2750	2690	2650
5410	3700	3000	2060	3600	2260	4360	2740	2690	2660
5580	4240	2950	2020	3550	2220	4260	2470	2680	2640
5310	3870	2920	2000	3400	2140	3930	2460	2680	2600
5180	3670	2960	1990	3190	2260	3880	2530	2660	2560
5040	3630	2980	2000	3020	2280	3580	2640	2640	2560
4640	3510	2950	2000	2950	2110	3500	2660	2640	2560
4350	3500	2940	1980	2910	2090	3520	2660	2640	2560
4190	3430	2920	2010	2880	2080	3510	2510	2620	2550
4460	3170	2910	2010	2860	2150	3440	2390	2610	2540
4350	3280	2870	1990	2920	2290	3460	2360	2590	2560
4070	3220	2860	1960	3030	2190	3460	2360	2570	2530
4160	3290	2870	1970	2990	2120	3460	2360	2550	2540
3890	3240	2880	1980	2880	2150	3420	2360	2520	2520
3670	3170	2860	2010	2720	2270	3430	2360	2530	2540
3480	3150	2830	1990	2490	2260	3410	2360	2500	2530
3420	3100	2800	1990	2560	2260	3300	2310	2510	2540
3370	3010	2780	1990	2880	2290	3350	2190	2520	2560
3160	3030	2770	2000	3180	2290	3290	2290	2500	2560
3250	2980	2770	2010	3170	2230	3240	2320	2580	2570
3230	2960	2760	2000	3150	2190	3220	2310	2570	2580
3300	2920	2750	1960	3150	2160	3200	2170	2530	2580
3250	2960	2750	1910	3150	2080	3210	2070	2510	2560
3250	2910	2740	1910	3130	2070	3180	2070	2460	2600
3390	2860	2740	1920	3090	2070	3190	2070	2550	2600
3550	2850	2740	2000	3070	2070	3150	2080	2540	2620
3410	2840	2720	2000	3060	2060	3100	2070	2540	2640
3230	2830	2720	2000	3020	2050	3100	2070	2500	2640
2920	2840	2710	1980	3040	2020	3090	2080	2500	2610
3070	2830	2700	1960	3030	2030	3070	2100	2470	2590
3010	2850	2700	1950	3030	2030	3040	2100	2450	2580
3010	2830	2680	1940	3020	2010	3030	2060	2460	2580
2980	2810	2710	1930	2860	2020	3030	2020	2440	2580
2940	2790	2700	1900	2860	2070	2900	2000	2440	2580
2950	2780	2690	1900	2880	2140	2960	2000	2440	2560
2930	2750	2700	1900	2880	2130	2590	2000	2430	2560
2890	2750	2680	1900	2880	2100	2540	1990	2420	2560
2870	2740	2670	1910	2820	2000	2510	1980	2420	2540
2880	2740	2650	1900	2800	1960	2500	1960	2430	2540
2870	2740	2670	1860	2860	1940	2480	1960	2200	2560
2860	2740	2670	1860	2880	1940	2450	1960	2180	2550
2820	2720	2660	1820	2800	1960	2480	1950	2180	2520
2780	2720	2700	1810	2860	1970	2510	1900	2160	2530
2770	2720	2700	1820	2880	1920	2510	1880	2160	2500
2780	2700	2680	1810	2860	1920	2510	1860	2180	2520
2770	2680	2670	1780	2830	1920	2480	1860	2180	2500
2760	2700	2670	1760	2830	1950	2480	1880	2160	2450
2750	2680	2670	1730	2850	1940	2480	1850	2160	2460
2740	2670	2670	1720	2850	1890	2480	1880	2160	2500

2740	2670	2660	1720	2860	1860	2480	1880	2170	2490
2730	2680	2820	1720	2850	1850	2480	1840	2180	2480
2710	2680	2910	1720	2830	1900	2470	1770	2180	2500
2690	2690	2970	1720	2830	1990	2470	1690	2170	2500
2690	2680	2980	1700	2850	1910	2570	1670	2160	2240
2680	2710	2930	1680	2860	1850	2870	1680	2060	2120
2700	2750	2830	1660	2880	1920	2860	1680	1920	2180
2680	2750	2750	1630	2850	1900	2840	1680	1910	2080
2650	2740	2670	1580	2850	1870	2840	1650	1920	1920
2630	2710	2670	1550	2850	1860	2840	1630	1780	1680
2660	2700	2780	1540	2830	1940	2860	1550	1620	1680
2640	2680	2850	1540	2820	2020	2850	1320	1620	1680
2620	2680	2830	1540	2820	1920	2850	1320	1570	1670
2660	2640	2760	1520	2810	1970	2820	1310	1570	1650
2660	2650	2720	1460	2820	2030	2810	1320	1590	1650
2630	2620	2750	1440	2820	2430	2600	1240	1640	1560
2630	2640	2740	1440	2800	2300	2480	1180	1640	1400
2650	2640	2740	1440	2820	1920	2530	1090	1650	1390
2700	2550	2750	1440	2860	2030	2650	1060	1660	1340
2760	2480	2770	1540	2850	2370	2770	1040	1600	1260
2750	2630	2830	1680	2850	2340	2770	1020	1550	1170
2700	2710	2840	1770	2840	2610	2340	968	1570	1170
2640	2640	2760	1820	2840	2700	2750	1050	1630	1160
2540	2630	2740	1720	2760	2720	2330	1140	1690	1180
2590	2610	2660	1740	2730	2780	2640	1250	1650	1200
2590	2700	2640	1550	2790	2710	2550	2240	1640	1220
2570	2760	2630	1470	2970	2750	2220	2710	1590	1220
2560	2760	2640	1430	3040	2660	2410	1810	1570	1210
2630	2750	2650	1540	2960	2620	2580	1570	1550	1200
2620	2750	2630	1610	2860	2590	2410	1430	1570	1190
2570	2750	2620	1540	2820	2460	2590	1430	1590	1150
2600	2750	2620	1650	2790	2310	2740	1420	1590	1140
2590	2740	2620	1310	2800	2110	2340	1400	1600	1070
2590	2750	2620	1290	2800	1970	2090	1390	1610	978
2560	2760	2630	1320	2800	3190	2450	1390	1600	970
2610	2790	2630	1340	2800	3150	2240	1530	1590	984
2580	2800	2620	1790	2800	2460	2270	1700	1600	1010
2580	2780	2620	1780	2760	2590	2160	1690	1600	967

1962	1963	1964	1965	1966	1967	1968	1969	1970	1971
964	1810	1610	2790	3520	1260	1180	402	427	406
1230	1990	1490	2790	3280	1250	3560	402	418	406
1210	2100	1480	2790	3080	1290	4970	393	398	406
1280	1860	1560	2790	3060	1280	3980	402	398	403
1310	1780	1540	2790	3250	1030	3560	412	398	399
1210	1760	1650	2790	3280	1040	3470	402	398	409
1030	1670	1550	2790	3140	1140	3620	402	408	410
1020	1710	1560	2830	3190	1180	3230	393	408	415
1020	1690	1540	2830	3170	1210	3070	393	408	416
1030	2030	1540	2830	3100	1250	3140	393	398	412
1060	8000	2920	2830	2950	1180	2490	402	398	407
1180	53100	3310	2830	2690	1040	2100	412	408	409
1080	101000	3050	2830	2690	1060	2160	412	408	409
1050	73600	2760	2850	2690	1100	2950	412	398	408
1030	30600	2600	2850	3280	1140	2910	412	398	409
1120	16400	2580	2850	3540	1150	2630	412	398	410
1050	10000	2120	2850	3650	1120	2950	412	389	409
1030	8200	1890	2850	3630	1080	2730	412	370	407
1060	6320	1930	2830	3720	986	2710	412	380	407
1090	5240	1820	2830	3830	930	2630	402	380	414
1090	5220	1740	2830	3740	930	2140	393	404	420
1080	4740	1710	2830	3630	944	2120	384	423	421
1040	4420	2400	2830	3450	958	2290	374	423	422
1020	4800	1490	2830	3580	958	2630	374	432	415
1050	5360	1500	2830	3520	847	2650	384	442	414
1070	4860	1540	2830	3630	704	2870	393	442	413
1110	4980	1480	2750	3560	1060	2450	393	442	416
1210	4820	1460	2690	3610	1040	1690	393	452	413
1200	4530	1470	2830	3670	986	1620	393	442	414
1110	4480	1480	2770	3630	1000	1890	393	452	415
1070	4530	1470	2170	3610	1020	2850	393	452	419
1160	4190	1520	2170	3470	1020	2910	393	442	418
1420	4400	1690	3470	3580	1260	3250	412	423	416
1350	4290	1660	2730	3610	1310	3100	412	423	409
1070	4290	2720	2350	3430	1230	2570	422	423	408
1030	4440	3470	1900	3320	1330	1940	402	442	405
1030	4230	7940	1880	3430	1230	2510	402	442	403
1040	4190	4090	1210	3430	1760	2890	412	442	401
1130	4010	3400	1060	3390	1360	1570	422	442	401
1050	3800	3990	3000	3080	1390	1190	422	442	402
1050	4420	3740	4710	3100	1410	1190	422	442	404
1060	4010	3080	4040	3140	1420	1180	412	442	411
1060	3720	2490	4570	3190	1720	1750	402	442	412
1050	3480	2540	4060	3320	1630	2380	402	448	412
1050	3750	6110	3500	4210	1560	1480	412	448	414
1050	3800	13900	3320	4590	2820	1140	412	447	412
1140	3700	5070	3210	4060	8880	970	412	447	414
1170	3670	3910	3170	3970	2990	942	422	447	414
1110	3480	3520	3080	9330	1880	956	422	447	415
1100	3220	3930	2970	7600	2910	970	422	448	413
1150	3150	5330	2950	6670	14600	970	422	437	412
1450	2840	4590	2970	5780	8900	956	412	447	411
1650	3220	4270	2970	4960	5910	956	412	437	411

1210	3200	5640	2970	4520	4110	970	402	436	413
1450	3200	7150	2990	5120	3720	1050	412	436	416
1810	3140	5110	3060	5830	2490	1430	412	436	415
1780	3550	4990	3250	5580	1960	1430	422	434	411
1840	7520	4780	3410	5060	1940	1430	412	432	412
1840	4460	4520	3650	4710	2540	1370	422	431	428
1840	4570	4370	3780	4350	15500	970	422	417	431
3920	4840	4210	3560	3760	7840	956	402	408	414
6820	5120	3910	4090	3540	9020	948	402	431	409
7300	6140	3810	5480	3500	14300	948	402	459	414
3060	19200	3720	4710	3470	17800	935	402	459	410
2420	12000	3680	4060	3470	11800	935	402	442	420
2640	9110	3700	3760	3470	22700	922	412	438	414
2380	7940	3740	3630	3470	16800	909	402	438	410
2300	7520	3650	3470	3450	11400	909	384	438	412
2290	6560	3590	3390	3430	9410	909	402	438	411
2220	5660	3700	3390	3430	8170	909	402	438	413
2190	4920	3520	3390	3430	7960	909	402	437	409
2270	5240	3450	6310	3430	7510	896	393	427	411
2220	4440	3540	4960	3520	6820	896	399	427	411
2360	4000	3490	4160	3500	6530	896	411	427	407
2260	4530	3520	3850	3470	5920	890	411	437	412
2270	8140	3540	3690	3410	6000	896	392	438	412
2120	15400	3380	3610	3300	4930	909	411	438	412
2140	18400	3520	3540	3360	4880	909	402	437	410
1960	15100	3410	3410	3320	4160	922	392	437	413
1550	11900	3410	4610	3250	4230	909	382	437	407
2620	10000	3520	7400	3250	4730	909	402	436	403
4300	8810	3610	55600	3230	5610	909	402	447	413
2410	8140	3140	138000	3280	5480	834	411	427	414
2090	7780	3450	156000	3320	5320	810	420	439	415
1730	7290	3430	142000	3410	5270	810	420	1870	415
1610	5820	3430	84300	4610	4730	810	420	3790	411
1530	4940	3430	60000	3920	4370	692	411	3180	411
1490	4460	3380	59600	3610	4300	624	411	2520	412
1890	4290	3400	36100	3740	4730	547	420	2520	410
2360	3680	3380	25500	5040	4880	420	411	1990	414
2120	3700	3400	20000	4660	4730	401	411	1220	409
2220	3650	3380	16400	4400	4520	401	411	690	408
1440	3560	3360	13800	4060	4880	401	411	423	408
1350	3580	3340	12500	3780	4640	401	411	432	413
1390	3530	3190	16600	3690	4570	401	420	431	413
1340	3630	2840	22100	4670	4640	410	411	430	413
1460	3730	2740	41400	13000	4470	420	411	430	413
1290	3180	2730	61000	9970	4400	420	402	437	413
1300	3060	2760	40100	7270	4640	420	402	437	413
1500	3180	2270	25900	6450	4540	430	392	438	399
1350	2840	2170	20400	5810	4420	401	392	449	386
1370	2900	1950	17000	5140	4300	420	392	438	386
1360	3260	1950	16200	4660	4210	410	402	438	402
1380	2190	1800	15600	4330	4060	410	430	448	415
1140	2160	1960	14100	4160	4300	420	472	4490	414
1310	2780	1990	13600	4010	4470	401	402	31400	413
1300	2710	1890	12800	3780	4280	401	392	42500	412
1290	2590	1840	12100	3720	4350	401	392	49300	415

1290	2370	2070	11200	3670	4110	410	382	48900	415
1410	2420	2580	10700	3630	3920	401	402	48900	411
4110	2360	3030	10400	3630	3580	392	420	45400	407
6300	2300	10600	10100	3650	4940	392	411	32800	408
2490	2460	16200	10200	3610	29800	410	13000	18800	405
2300	2610	8670	9930	3520	42800	410	37400	32200	404
1610	2670	4830	11800	3520	15900	410	24800	46700	405
1670	2370	3810	29000	3470	13700	392	18200	53100	403
1570	2600	4130	21900	3450	10900	392	5020	53300	403
1500	2330	3680	18000	3410	8450	392	17200	51100	402
1470	2470	3770	15400	3300	8930	401	22400	48300	403
1400	2530	3970	13500	2710	15000	401	24800	39200	405
1480	2760	3670	12200	2710	43100	420	24400	35100	405
1770	7310	3410	11300	3780	48300	420	24000	26300	401
2050	84700	3110	11000	3470	46800	392	16200	7430	403
1920	125000	3060	10500	3430	31700	392	2030	1370	400
1910	61900	3050	9730	3540	20200	401	411	438	401
1550	36600	3060	10200	3230	15500	401	392	428	400
1480	24900	2970	10400	3300	12800	401	402	409	398
2040	20400	2820	12000	3890	11400	401	402	399	398
2170	16800	2840	13200	4040	10400	401	411	399	398
3200	14500	2790	12500	3870	9350	401	402	399	397
6710	13200	2760	11000	3540	9220	392	402	390	399
23900	12000	2620	10600	3360	8870	392	411	400	399
33100	10900	2640	9540	3250	8170	401	1820	400	400
16400	10300	2820	8870	3120	8420	410	5650	399	399
13000	10000	2790	8420	3010	8020	420	8570	400	400
23600	11700	2740	8200	2990	8390	430	6270	418	396
24600	11600	2490	8140	2930	8970	494	534	399	394
30900	10400	2660	7900	2890	8330	774	805	399	394
23500	9800	2660	7600	2850	7900	810	1840	428	401
15600	9200	2500	7870	2830	7570	786	2480	428	413
12200	8400	2560	7510	2790	7390	810	9680	438	991
10200	8100	2620	7060	2950	7030	822	8920	428	405
9310	7800	2560	7390	3190	7000	822	6140	419	406
7720	7800	2670	7690	3030	6850	834	3310	418	412
6400	7000	2490	7780	3030	6730	822	808	428	418
6170	6800	2310	7840	3170	6620	822	844	419	416
5760	6600	2480	7750	3390	6530	810	2510	428	418
5370	6100	2610	6730	3500	6760	798	4100	419	414
4990	5700	2490	6820	3650	6620	810	4430	418	408
4710	6000	2400	8230	3520	6450	822	5830	418	408
4590	5400	2640	8710	3340	6310	822	4620	427	408
999999	999999	2420	999999	999999	999999	834	999999	999999	999999
4970	4980	2330	7720	3250	6450	750	2920	468	406
6700	4630	2890	7420	3210	6390	810	2880	428	409
5380	4500	2740	6910	3100	6420	810	2920	422	411
4930	4360	2480	6250	3010	6000	822	1750	434	410
5480	4190	2760	6140	2990	5950	786	1020	430	410
12000	3960	2820	6410	2990	5810	580	997	431	410
9320	4100	2360	6170	3060	5830	420	616	431	421
6730	3940	2360	6090	3250	6000	392	382	434	423
6480	3680	2720	6340	3470	5950	392	402	431	411
5960	3460	2680	6090	4710	6230	401	411	435	411
5520	3510	2850	6390	5890	8290	420	420	433	410

5320	3150	3630	6820	6370	7870	410	411	435	403
5120	3250	3080	6940	8340	7030	410	392	433	406
4940	3200	2440	6620	10300	6230	382	382	429	408
4850	3670	2560	6480	9380	6140	401	392	432	413
4830	3650	2700	6790	8710	21600	420	411	420	419
4750	3250	2840	6510	7120	38000	392	430	423	415
4680	3300	2740	6820	6310	31300	401	430	422	409
4780	3440	3160	6510	5690	28300	372	392	428	407
4980	3430	3220	6390	5380	20900	420	382	428	408
5030	3650	2970	6510	5090	17500	401	402	426	404
6320	3670	3450	6530	4780	16400	382	440	425	410
5690	4960	3580	7120	4590	18700	472	430	426	420
5220	4420	3270	7690	4400	17900	738	420	422	414
5180	4180	3240	7570	4540	15300	410	382	415	427
5820	4140	3000	7630	4830	13400	410	392	411	2480
6460	7070	3110	9130	5400	11800	410	392	410	6910
7270	20400	2950	8490	6090	11100	420	402	411	6960
7890	14900	3450	8020	6880	10900	410	420	411	6960
7860	12900	3580	7870	8110	10300	410	411	413	5530
8000	12400	4190	7750	8680	11600	410	420	413	2510
8340	10900	6080	7930	9190	10700	410	430	417	421
8730	9540	5630	7960	10400	9860	382	440	421	408
9000	8970	5100	7900	10000	9350	420	430	425	395
9900	7570	4470	7720	9320	9000	430	2490	422	396
11000	8920	4290	7720	8930	9410	441	2390	422	407
11700	37900	4530	7810	9220	14200	420	2390	425	413
12300	52000	4180	7660	9320	12100	401	2300	426	414
12900	39200	4110	7870	9250	10400	401	2390	428	418
13600	28300	4440	10500	9090	9860	401	2340	405	409
13200	23000	5100	9570	13400	9730	401	2300	419	402
12300	19500	5720	8680	13400	9930	401	2340	429	402
12300	17200	5480	8330	12300	8810	410	2390	428	416
13100	16000	5410	8360	10500	8840	410	2430	422	415
13800	30500	5750	8450	9350	9030	401	2340	412	416
15000	31700	6440	8490	9290	8710	401	2430	398	405
14300	24400	6760	23900	9130	8110	392	2390	396	400
13300	19900	6700	20000	9540	8740	363	2410	398	401
12500	17400	6110	16900	9640	9640	354	1490	399	405
12400	18300	5240	19900	8810	9450	382	1510	399	410
11100	16100	5030	21100	7660	9570	401	1430	408	407
9740	14000	5100	25800	6850	9450	410	1150	422	408
9600	13100	5150	23100	6560	8810	401	420	428	409
10500	12500	4860	19900	6390	8870	401	430	427	408
11100	12400	4400	18300	6390	9450	401	420	429	401
10800	12200	4090	17900	6620	9060	401	420	423	394
10200	11900	3980	17800	7210	8710	401	420	424	405
10000	11500	4360	17900	6880	9130	401	402	425	414
12100	11400	4960	17700	6670	8870	401	420	422	412
9540	12200	5170	18100	6530	8550	401	420	421	409
8500	13100	5340	18900	6230	8610	410	430	416	408
8260	13600	5390	16900	6090	7990	410	440	412	404
8390	13800	4740	14800	6000	8080	420	420	404	405
8980	14600	4620	13300	6030	8170	392	440	399	412
9650	15000	4550	12200	6140	8490	392	364	405	413
9940	15200	4690	11900	6530	8840	392	373	415	410

9690	15600	4720	10900	6670	8810	392	402	420	398
9450	16500	4400	9860	6650	10500	401	411	419	397
9620	16500	4720	9320	6560	13600	382	420	416	393
9860	15000	4740	9000	6530	17200	392	411	417	399
9210	13400	4960	8930	6620	18500	392	373	414	402
8520	13600	5200	8930	7450	16200	401	373	410	407
8010	13000	5460	9060	6910	14600	410	382	414	406
7670	11700	6030	9290	6420	13700	483	392	413	401
7330	10900	5800	9250	6030	13400	401	402	408	399
7030	10700	5440	9290	5690	14700	392	382	409	394
7320	10800	5390	9190	5010	17200	392	382	405	394
7150	11400	5560	9540	4860	19600	401	373	405	401
6710	11900	5290	9570	4570	21000	401	373	406	401
6350	11900	5270	9290	4350	21500	392	373	410	399
5880	12500	5340	9380	4330	22700	392	364	411	401
5250	11900	4760	9190	4110	24300	392	364	412	401
5460	11700	4360	8490	3850	25300	401	364	413	401
6040	11000	4250	8170	3540	25500	410	369	408	404
5680	10700	3940	7810	3280	26500	420	391	406	411
5120	10500	4090	7660	2950	25200	420	382	409	415
4830	9870	4580	7600	2810	22100	420	382	411	410
4840	9420	4140	7720	3010	19800	420	362	416	400
5270	8440	3910	7720	2830	18500	410	353	415	401
5960	8250	3660	7480	2510	16800	410	391	413	400
6110	7780	3560	6700	2310	15700	410	400	405	395
5860	6880	3460	6590	2410	14600	410	400	409	395
5870	7550	3200	6650	2530	14200	410	400	412	398
5850	6660	3180	7090	2470	12900	410	410	413	404
5830	6040	3060	6790	2250	11900	410	400	415	402
5310	5430	2870	6790	2350	12200	392	391	419	406
4900	5280	2810	7090	2310	12700	387	391	417	408
4790	5040	2760	6970	2310	13000	402	400	415	402
4740	4950	3020	6730	2450	12900	402	400	415	408
4710	4410	3600	6450	2390	12600	393	400	415	408
4670	4250	3830	6060	2210	12600	384	400	416	409
4700	4210	3620	6140	2210	12600	384	410	414	415
4590	4110	3380	6170	2230	12400	393	431	412	415
4420	3830	2920	4990	2190	12300	393	431	411	414
4320	3810	2830	4520	2350	12600	384	410	415	412
5320	3700	2580	4930	2630	12100	412	391	414	414
5910	4310	2530	5320	2410	11800	402	391	415	412
5610	4230	2450	4960	2250	11700	402	391	419	410
5480	4190	2360	5140	2330	11900	412	410	420	414
5230	4090	2330	5400	2390	12000	412	410	420	412
4800	3910	2330	4350	2370	12400	402	400	420	412
4720	3890	2330	3990	2350	12200	393	410	416	413
5090	3950	2270	4450	2330	11400	410	420	415	414
4650	3950	2380	4780	2310	10900	412	410	417	416
2860	4050	2710	5090	2290	9990	412	410	416	416
2750	4010	3040	4930	2270	9220	412	410	415	412
3500	3910	3100	4830	2250	9220	412	420	411	410
4700	3810	3080	4040	2230	9090	402	420	410	412
4310	3770	2780	3740	2150	8520	412	420	408	410
3420	3700	2670	3800	2150	7870	412	420	407	414
3330	3700	2980	4250	2250	7600	402	410	414	413

3290	3670	3160	4210	2450	7210	393	420	418	412
3190	3630	3140	3940	2610	7210	402	420	419	414
3180	3590	3120	4090	2630	7060	412	420	417	417
3130	3590	3100	4060	2610	6790	412	431	417	415
3220	3540	3120	3830	2610	6230	402	431	422	417
3220	3540	3100	3670	2770	6110	412	431	422	418
3030	3520	3000	3720	2830	5970	402	431	425	424
3000	3500	2710	3690	2770	5720	412	431	420	419
2900	3470	2740	3630	2770	4350	422	420	416	407
2940	3450	2450	3610	2770	4160	412	431	536	409
2860	3400	2190	3580	2790	4540	412	431	411	407
2870	3360	2190	3500	2770	5220	412	431	419	402
2860	3270	2290	3470	2770	5170	407	431	418	406
2810	3240	2670	3450	2790	5090	412	431	420	408
2760	3220	2720	3630	2770	4990	412	442	408	410
2740	3060	2710	3470	2770	4250	412	442	405	405
2730	3170	2710	3390	2770	3800	412	410	420	404
2820	3210	2720	3340	2750	4180	412	382	434	401
2780	2850	2710	3300	2730	4860	412	391	444	400
2780	3170	2710	3300	2730	4520	412	400	440	400
3470	3110	2650	3430	2710	4830	412	400	437	403
3080	3110	2600	3320	2710	4570	412	400	422	399
2790	3080	2560	3320	2690	3670	412	400	422	394
3320	3060	2490	3320	2690	3360	412	400	427	396
3440	3060	2450	3300	2690	3760	412	400	423	401
2920	3030	2400	3030	2690	4610	402	410	425	403
2710	2920	2380	3080	2650	4470	402	400	421	413
3270	2500	2350	3080	2650	4160	402	400	424	407
2740	2400	2350	3080	2670	4230	402	410	426	406
2530	2400	2350	3060	2670	3610	402	400	422	404
3100	2280	2400	3010	2690	3280	408	410	430	406
2740	2210	2440	3030	2670	3500	408	410	427	404
3140	2190	2450	3060	2670	3970	412	400	423	403
2620	2190	2400	3060	2630	3740	412	400	421	410
3060	2160	2450	3080	2530	3830	421	410	404	407
2640	2170	2440	3030	2470	3580	421	410	391	404
2580	2090	2450	3010	2550	3410	412	391	400	409
3060	1980	2440	3100	2470	3060	412	382	400	424
2660	1990	2420	3280	2470	3120	412	410	400	406
3100	1990	2450	3210	2510	3410	412	410	406	410
3240	2000	2440	3190	2550	3250	412	400	414	412
3320	2060	2400	3190	2590	3210	412	400	412	410
2700	2000	2360	3190	2590	3190	412	410	390	407
2590	2000	2360	3650	2590	3080	402	410	385	411
2900	1950	2360	3610	2610	2970	402	400	388	407
2580	1910	2380	3260	2610	3030	402	400	400	404
2480	1930	2360	3060	2610	3100	392	400	397	405
2480	1920	2360	3060	2410	3280	392	400	400	409
2780	1980	2360	3080	2190	3390	412	400	404	414
2970	2020	2330	3030	2120	3300	412	410	404	408
2790	1990	2400	3060	2010	3430	412	410	406	407
2730	2070	2400	3060	1990	3500	412	400	404	407
2470	2020	2400	3030	1960	3390	397	400	402	402
2470	1930	2380	3010	1920	3230	402	400	396	402
2470	1960	2380	2990	1870	3280	402	400	400	402

2480	1930	2380	2990	1870	3030	402	400	404	402
2470	1950	2350	2970	1870	2650	412	395	404	405
2460	1910	2350	2990	1850	2870	412	382	406	411
2460	1910	2360	3010	1830	2930	412	382	409	411
2470	1920	2360	2970	1830	3190	422	382	411	413
2460	1910	2060	2950	1790	3410	422	382	407	407
2470	1890	1930	2930	1690	3210	412	382	406	407
2470	1890	1870	2950	1650	3170	412	392	413	411
2460	1900	1950	2950	1650	3170	412	392	406	407
2460	1900	1920	2950	1780	3210	412	392	398	409
2470	1860	1830	2950	1630	3190	422	392	397	409
2520	1840	1760	2950	1550	2950	431	382	390	409
2170	1880	1750	2950	1550	2950	402	392	387	406
2020	1910	1700	2950	1520	2950	402	392	395	413
1940	1910	1700	3010	1480	3120	402	392	400	413
1770	1910	1660	3030	1440	2910	402	392	398	410
1670	1930	1630	2950	1320	2810	393	392	395	413
1670	1950	1620	2930	1320	2930	402	392	398	412
1880	1930	1570	2970	1320	2850	402	392	402	409
2050	1960	1550	2990	1300	2610	412	392	404	405
2100	2460	1540	2830	1260	2650	422	392	405	407
2120	2490	1380	2550	1320	2650	431	382	407	407
2010	2440	1320	2550	1430	2730	431	402	406	416
2010	2060	1280	2550	1440	2930	422	411	404	411
1980	1860	1300	2730	1480	3190	431	411	405	412
2060	2070	1300	3060	1480	3210	431	411	405	406
2030	2310	1300	3080	1440	2970	431	402	406	406
1960	2340	1300	2930	1400	2850	431	392	403	412
2080	2340	1280	2670	1400	3140	422	402	402	414
2050	2240	1660	2650	1400	3170	412	411	407	410
2050	2310	2450	2670	1370	2910	402	411	405	404
2080	1860	2650	2710	1320	2790	402	411	400	406
1630	1960	2650	2850	1320	2970	393	420	400	406
1560	2070	2650	2610	1300	2950	393	411	399	403
1580	1710	2710	2610	1260	2990	402	402	400	406
1770	1690	2780	2670	1250	3140	402	402	404	404
2020	1700	2800	3030	1310	2250	402	402	408	402
1860	1690	2800	3410	1240	1340	393	402	408	397

1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
398	428	405	410	402	405	391	404	407	411
403	430	410	410	402	404	392	401	402	425
393	432	404	410	402	402	395	400	405	422
394	435	410	412	401	402	581	401	428	420
393	429	409	407	401	401	815	404	427	418
396	430	407	410	401	401	805	406	421	419
393	430	409	411	400	405	816	404	424	415
396	430	409	409	403	410	827	404	420	421
410	430	408	412	405	411	810	404	421	420
404	430	406	408	403	409	805	404	417	412
403	430	407	405	401	407	832	405	415	412
407	432	408	397	399	409	822	406	415	411
410	436	407	405	399	402	810	402	416	405
412	435	405	407	401	398	804	400	415	405
414	432	407	415	400	398	794	399	416	404
412	426	406	675	399	397	781	395	415	403
411	412	407	795	399	397	803	396	412	408
411	414	406	796	397	398	822	402	412	404
411	409	407	784	397	403	807	400	411	408
408	408	407	781	396	404	813	397	404	412
409	409	406	785	396	404	819	398	405	405
408	407	407	791	397	409	809	397	410	406
414	405	408	799	397	413	797	387	410	398
415	405	411	790	396	408	781	393	410	402
408	404	416	783	397	408	790	402	414	400
409	412	414	804	401	409	802	404	411	400
405	416	406	835	404	409	796	399	407	407
405	410	405	824	401	410	824	397	402	403
403	411	403	774	400	413	836	395	398	409
404	411	401	787	406	409	807	392	398	406
404	410	408	801	403	405	785	392	400	409
402	426	411	800	400	407	798	392	404	405
402	411	412	785	396	414	793	394	410	394
408	410	410	830	399	414	787	392	409	397
405	410	408	838	400	409	790	387	409	396
408	411	411	848	398	411	821	387	412	401
409	410	410	838	400	410	823	397	411	406
408	407	410	840	404	405	802	400	410	405
409	409	410	839	404	407	791	403	408	405
407	406	415	832	403	409	793	404	404	405
409	409	413	839	405	413	698	398	405	404
411	411	425	842	402	413	585	401	406	407
413	407	425	839	402	408	601	389	407	402
413	408	433	844	401	408	609	395	402	402
411	413	427	845	404	400	599	396	399	404
407	408	423	858	404	400	465	399	408	405
408	407	2200	859	402	403	397	397	414	404
410	404	8890	853	401	405	400	398	407	402
407	403	8810	863	404	401	397	399	403	403
407	403	5430	862	402	393	391	399	410	402
404	404	5450	855	404	397	392	403	411	403
403	402	5400	857	405	394	395	400	410	405
406	398	5430	861	403	389	396	399	420	406

407	397	5400	852	404	393	398	396	420	399
412	401	5430	852	403	398	404	393	420	399
408	397	5380	849	403	394	394	394	419	400
413	401	2310	852	403	389	392	390	421	400
413	400	412	853	404	382	388	395	419	399
413	404	415	861	403	388	398	399	414	399
413	401	414	856	407	408	397	401	405	401
421	403	430	860	405	415	395	400	393	401
424	399	424	860	413	420	396	402	402	406
416	400	413	855	411	420	397	391	412	407
416	400	409	852	407	420	396	387	422	411
410	399	409	858	401	417	395	395	417	407
411	396	411	852	402	412	398	390	408	402
411	397	412	834	398	414	400	388	407	402
411	398	410	832	397	414	394	386	406	399
413	402	411	826	398	407	394	390	405	399
413	402	413	831	403	405	399	384	405	398
414	398	410	832	403	409	398	394	407	397
410	397	404	834	402	413	402	393	402	397
409	395	402	830	400	413	402	396	405	398
416	399	410	822	388	420	404	398	406	397
417	405	410	810	383	418	417	394	403	396
418	408	408	793	384	418	413	391	401	397
418	403	411	807	392	407	408	392	402	397
417	418	412	823	418	413	402	398	401	399
414	414	411	826	412	426	401	396	402	404
413	408	411	814	399	415	398	390	405	402
411	408	411	810	399	417	398	389	409	401
413	400	408	799	400	419	396	390	405	400
411	395	405	826	404	405	402	390	404	401
406	395	407	864	403	410	397	388	410	401
407	396	406	871	400	412	393	392	428	403
415	397	409	844	394	409	390	394	421	400
413	398	419	843	393	400	391	394	409	402
417	398	426	865	393	395	404	393	410	401
416	400	417	863	393	398	404	394	408	402
417	396	410	851	398	395	401	397	410	402
420	395	413	853	401	400	395	390	409	403
410	394	412	864	401	403	392	399	413	405
413	388	400	855	393	410	392	394	404	403
411	398	402	861	393	410	394	399	408	403
403	403	406	849	393	409	405	401	408	403
409	403	409	819	394	408	410	402	408	401
415	405	400	791	395	405	432	406	403	402
410	397	405	850	404	405	415	403	405	405
409	398	432	861	405	398	404	401	406	402
406	406	423	869	404	395	404	408	406	401
405	416	414	870	405	404	429	408	408	402
404	404	415	845	404	403	409	414	416	401
405	444	416	819	402	398	405	419	414	398
405	417	415	797	405	407	397	402	16100	400
402	400	409	853	406	409	399	402	47000	400
408	398	429	890	404	405	439	416	59700	401
410	409	2460	882	404	405	421	420	64700	400
409	14500	12400	885	404	407	456	406	54700	401

408	29000	28900	886	403	408	403	403	44400	401
409	29000	32700	869	397	406	396	405	34800	398
415	21900	29800	859	399	407	396	400	27200	397
417	5480	29800	849	404	409	395	399	6040	401
416	447	29500	874	404	410	392	398	398	399
411	424	23200	883	404	409	385	398	387	400
411	407	16900	866	401	405	385	399	382	408
414	411	14500	857	397	407	389	401	380	403
418	413	14500	832	394	409	392	395	385	400
418	414	8180	830	399	407	394	393	394	403
421	407	3280	861	403	405	395	396	403	428
420	405	428	875	409	408	397	391	399	410
421	416	400	867	405	405	395	392	395	413
412	424	402	865	406	414	394	399	397	406
410	423	404	871	404	413	399	400	400	399
408	419	406	513	403	408	398	397	400	398
402	420	403	471	405	406	396	402	395	400
403	417	405	402	404	404	392	400	394	399
409	420	405	411	403	405	392	401	384	399
414	421	405	414	405	404	393	403	391	400
411	433	407	409	404	408	395	406	398	400
416	429	405	408	401	409	406	407	397	399
417	426	406	412	396	412	403	405	401	402
414	422	406	413	393	412	397	406	407	410
417	422	402	409	399	412	400	408	407	409
417	414	405	402	410	411	401	409	407	405
414	411	406	446	412	409	405	407	404	404
411	412	410	428	407	411	403	412	400	405
412	416	409	403	403	410	400	419	395	405
1180	416	409	384	401	413	397	409	407	402
404	411	410	382	405	413	398	409	426	402
401	410	409	397	412	412	397	402	434	405
400	416	408	406	413	409	402	413	10900	407
400	415	413	403	414	404	398	412	29300	406
399	416	416	402	387	404	396	423	40200	404
400	417	413	403	369	402	397	421	35700	401
403	418	417	401	370	406	398	413	26100	401
410	418	413	400	386	408	403	415	15100	402
412	418	412	399	400	406	398	411	7630	406
411	415	412	399	402	405	402	414	5120	406
406	418	415	403	400	405	402	412	3170	407
409	447	417	406	397	403	405	411	419	408
409	416	425	407	395	404	404	420	420	409
414	999999	999999	999999	392	999999	999999	999999	418	999999
400	413	420	406	398	405	407	430	415	408
403	414	408	406	408	405	432	417	420	410
404	414	405	406	403	407	413	417	415	412
408	415	402	406	402	407	428	418	408	421
405	413	400	408	403	409	417	417	414	416
405	414	400	409	401	410	413	416	395	411
406	413	407	413	393	411	408	416	396	409
405	415	405	416	395	413	412	412	405	408
407	412	402	413	401	413	415	412	410	412
411	412	403	415	403	406	411	416	411	410
405	409	406	413	410	402	415	416	409	408

398	406	405	407	406	401	412	416	408	405
401	404	400	412	403	398	410	415	414	406
406	403	403	411	405	400	411	416	416	405
402	403	402	409	407	406	413	416	414	406
401	402	396	407	410	407	385	413	410	406
401	408	394	410	410	408	378	415	412	410
405	405	392	415	414	408	386	415	409	411
405	411	390	418	413	407	388	415	408	418
403	385	390	414	411	407	393	418	410	411
406	380	388	423	403	404	400	417	405	415
409	381	390	420	403	400	400	420	404	413
411	391	407	418	412	395	402	413	405	412
414	406	414	418	413	434	397	406	405	411
410	409	406	410	413	427	394	407	406	417
413	406	406	407	411	404	394	409	402	396
411	408	408	407	409	400	398	412	407	391
411	407	406	401	405	396	400	415	408	392
413	409	5240	396	406	399	399	411	409	390
408	406	22700	396	412	404	403	414	405	389
412	407	26300	397	415	406	401	408	407	391
413	407	31400	406	413	404	399	404	406	395
415	406	37300	409	411	406	399	405	412	389
413	403	37300	414	412	402	400	407	414	389
412	405	33700	414	414	409	401	414	415	396
407	408	17200	413	410	416	400	409	409	405
407	411	12500	410	410	416	402	407	404	406
409	407	9900	410	410	412	399	407	400	402
406	406	7460	416	411	405	398	413	403	400
404	408	5800	415	412	404	399	408	406	400
400	408	1840	413	412	399	400	402	404	400
512	405	403	413	410	401	399	405	403	400
406	410	403	407	408	411	401	402	404	399
406	408	400	405	406	408	399	407	406	401
404	408	399	408	403	400	400	409	408	399
400	408	405	413	402	400	399	409	410	393
396	410	410	413	408	401	397	408	409	407
397	417	410	414	408	399	398	407	407	409
399	422	412	411	404	405	400	405	408	406
530	417	411	413	404	410	398	406	411	407
392	411	409	405	408	409	401	406	406	414
400	407	411	405	411	408	401	407	404	412
409	410	410	411	410	394	399	409	403	417
407	415	414	411	410	383	402	409	404	417
414	412	413	413	407	388	406	409	403	416
414	421	417	414	406	384	416	409	401	413
410	434	420	413	409	385	409	410	400	409
2050	426	417	411	411	385	410	410	390	409
709	418	415	409	405	392	408	409	393	413
401	419	412	414	390	400	404	410	395	413
402	420	415	417	386	398	409	413	408	414
400	412	423	419	396	372	403	415	399	415
405	409	423	420	410	391	401	410	395	417
401	411	421	421	406	394	404	411	402	415
404	411	421	427	409	400	403	411	400	415
409	411	430	423	410	399	401	409	399	416

407	410	422	423	412	399	405	412	395	409
403	413	419	421	411	407	403	417	397	410
407	412	423	423	403	415	403	414	397	416
402	411	422	425	403	406	408	411	394	411
402	411	422	425	401	397	409	412	396	416
404	408	423	424	408	396	405	413	395	420
401	413	423	423	401	396	408	412	395	421
401	412	432	412	407	398	409	412	396	420
401	411	431	416	405	403	407	415	396	411
398	412	422	417	407	400	406	416	399	410
405	411	422	414	404	396	404	413	406	406
407	407	413	415	412	397	407	411	406	411
404	404	413	411	410	395	412	406	407	411
403	402	413	414	411	395	409	412	406	412
407	402	413	406	412	397	409	414	400	406
404	407	414	405	409	396	410	416	403	409
404	404	413	405	410	389	413	415	404	414
397	404	404	413	406	392	410	414	401	416
399	410	404	417	406	402	399	413	400	418
394	412	405	415	413	402	409	414	401	415
408	408	405	410	410	407	406	414	400	418
404	409	404	414	410	409	410	418	403	415
405	406	405	410	411	407	414	417	404	414
402	405	405	409	410	404	416	417	402	413
405	407	406	410	411	401	411	415	404	409
397	409	406	414	412	401	415	418	405	406
402	409	403	417	415	407	416	418	406	407
403	408	400	418	410	410	415	415	408	404
401	407	401	412	415	414	419	416	407	409
400	408	398	410	413	412	417	420	411	404
405	404	397	413	412	412	416	417	410	405
405	405	401	410	411	414	416	432	409	402
406	406	405	413	411	411	412	426	410	403
406	407	404	409	414	410	407	415	411	406
408	405	404	407	413	402	402	415	410	401
410	408	407	437	412	410	402	416	410	399
406	409	406	424	412	396	400	415	408	398
414	409	407	420	410	395	402	418	411	403
412	412	415	416	403	394	403	493	412	401
410	412	410	410	398	399	397	561	410	397
413	405	408	416	408	403	401	386	413	402
409	401	409	416	406	408	402	388	415	408
404	399	401	416	403	406	405	394	414	406
407	401	406	415	406	406	408	395	410	405
413	406	415	410	413	406	400	391	414	406
411	409	409	408	408	406	410	396	413	411
410	409	403	405	413	411	409	398	414	410
410	409	402	407	414	413	410	399	414	412
408	410	405	404	412	414	408	407	415	411
410	409	404	407	411	413	409	404	422	411
407	413	408	420	412	413	408	406	420	416
411	408	408	426	411	409	408	406	420	415
412	405	408	428	411	404	411	408	414	411
409	408	407	421	411	408	414	412	408	407
412	410	403	422	414	407	406	410	407	405

406	412	400	425	413	410	407	411	401	405
402	411	404	425	413	409	408	411	410	413
404	410	408	423	413	401	407	414	412	398
413	419	413	425	412	401	407	408	411	402
408	409	409	426	414	403	406	412	409	398
410	414	412	426	414	399	407	410	410	400
412	418	411	428	414	405	408	414	409	399
408	414	414	427	415	409	410	411	409	394
405	413	415	427	429	406	411	412	408	394
398	415	412	426	431	407	413	413	410	401
407	414	413	425	418	408	407	414	409	406
411	414	412	423	409	414	410	412	411	402
413	415	410	424	403	408	408	411	408	400
409	414	411	427	402	404	410	412	409	405
410	422	411	427	404	404	410	415	412	406
405	420	411	409	397	408	412	412	410	404
403	416	413	401	399	408	409	413	408	405
405	416	414	396	399	405	411	411	412	406
415	416	415	406	402	402	411	415	415	399
415	414	408	400	404	404	412	413	412	396
415	409	406	400	404	406	412	413	414	396
407	403	413	403	402	406	411	415	414	401
405	403	412	400	398	405	413	415	412	404
405	405	411	397	400	404	413	413	415	403
406	408	409	387	391	399	415	413	414	403
403	403	413	369	384	398	414	415	410	407
406	398	418	373	391	407	415	415	415	410
406	404	418	373	395	406	410	414	412	414
404	398	414	378	383	407	412	411	416	413
406	401	418	385	397	409	409	395	412	412
405	409	425	397	401	399	412	387	414	409
411	412	417	403	395	397	415	387	417	412
415	409	413	405	391	408	413	390	414	411
409	413	411	404	402	413	411	386	415	404
412	415	415	405	398	406	408	385	415	395
411	412	418	403	406	406	406	386	416	399
406	412	418	401	398	401	406	388	416	408
405	415	411	399	400	393	407	375	415	409
409	415	416	402	409	388	406	383	416	410
408	412	415	401	403	399	406	394	415	409
412	414	410	395	402	409	406	394	413	410
413	412	406	398	401	424	408	383	410	411
412	407	407	401	411	406	408	389	410	409
412	408	408	401	410	412	403	400	411	407
409	410	408	398	409	406	404	397	409	409
411	402	409	399	407	405	404	397	407	397
410	406	408	409	404	408	407	392	408	391
407	408	408	409	406	408	407	378	410	399
408	407	404	401	397	407	421	384	410	409
406	408	409	413	405	408	413	391	409	409
401	404	412	415	404	407	408	397	407	408
403	406	408	411	401	406	409	394	409	407
406	405	407	409	396	397	409	395	406	407
406	404	406	411	401	399	400	397	410	408
409	407	400	403	411	400	398	393	407	407

407	400	408	402	407	407	402	397	407	406
413	392	405	404	399	414	407	403	408	407
405	390	410	404	400	412	403	407	407	407
403	402	410	405	398	412	404	395	405	408
405	414	413	403	397	413	409	402	405	409
409	423	410	401	398	418	405	407	404	410
410	422	411	403	402	411	407	407	407	406
409	434	406	418	417	401	401	403	407	408
406	431	413	426	413	400	404	408	407	416
402	420	409	425	399	408	407	408	411	413
404	416	411	426	401	407	405	408	412	413
403	425	413	427	404	407	402	407	404	412
409	426	409	418	403	401	405	404	405	412
413	421	412	416	407	400	411	400	404	411
414	415	411	415	409	395	403	391	404	412
411	408	414	418	405	395	403	399	406	415
406	407	412	418	405	390	399	398	404	412
407	411	411	417	404	382	404	400	403	413
396	416	405	418	405	384	404	401	407	412
312	417	410	417	405	390	396	405	406	408
288	416	412	409	405	405	397	403	404	408
295	417	408	409	401	425	401	405	406	410
340	415	411	408	404	421	403	401	406	411
444	418	411	408	404	411	400	405	404	415
434	416	409	408	403	404	394	407	403	414
335	408	410	411	404	401	392	405	401	409
222	410	409	413	405	396	387	406	401	407
353	412	411	413	403	397	398	407	404	402
435	414	409	410	403	398	397	406	405	403
349	411	406	408	400	403	409	407	404	403
372	412	410	403	399	395	410	405	404	406
434	409	411	403	401	394	409	409	404	405
430	410	413	403	398	389	405	407	404	405
433	408	411	406	399	393	404	406	402	403
425	409	409	410	401	397	402	407	400	402
433	408	407	410	399	402	406	408	403	405
429	408	408	410	400	401	404	409	402	402
428	408	412	408	406	400	403	409	399	402

1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
398	399	426	420	429	431	450	655	614	601
401	403	424	419	428	423	449	656	614	616
395	401	426	418	433	426	445	654	616	613
399	407	425	418	430	421	443	655	617	614
405	408	422	414	422	411	459	653	617	614
400	410	421	410	415	417	457	659	618	616
405	412	422	403	409	427	453	659	618	616
400	404	423	410	408	424	457	646	614	615
422	401	428	414	412	428	459	633	609	613
423	400	429	415	424	429	457	648	610	614
411	405	424	415	418	428	454	655	614	618
406	403	421	415	422	428	458	658	631	614
408	396	425	416	410	425	449	641	627	623
405	408	421	412	407	429	452	637	618	614
403	412	409	412	408	429	464	643	625	613
402	412	402	416	411	431	466	643	625	613
409	409	424	417	417	432	455	643	625	623
410	410	1260	418	417	426	448	645	627	622
411	407	429	417	418	415	458	642	627	624
410	412	416	416	410	437	461	638	629	616
411	414	417	413	417	448	466	637	629	621
411	414	418	409	427	442	466	642	630	613
411	416	417	405	423	443	479	648	630	615
408	412	414	404	418	438	443	651	631	614
405	414	409	404	417	436	450	650	630	619
404	413	410	405	407	430	447	666	625	614
404	418	412	406	404	431	446	644	623	617
405	414	410	402	401	437	448	657	625	620
402	409	398	403	407	434	470	648	630	624
403	411	392	408	414	432	460	642	633	624
401	409	396	411	409	423	482	640	627	627
398	408	414	409	407	424	450	642	627	623
405	415	414	408	402	431	448	645	631	625
406	398	413	406	402	437	448	648	626	617
410	400	411	404	397	445	458	646	623	614
407	399	411	403	398	436	444	653	625	624
407	400	406	412	401	444	455	655	624	627
405	400	409	421	406	445	467	642	627	630
400	399	415	420	409	438	466	643	648	621
402	399	418	420	407	434	468	645	627	616
403	396	424	417	399	426	469	645	627	618
407	399	421	417	394	425	455	649	629	613
413	395	413	416	416	424	460	650	638	614
415	393	418	418	433	421	457	654	637	614
412	392	418	418	435	420	451	646	626	615
407	397	414	414	427	415	454	640	667	609
408	399	412	412	433	416	456	637	678	625
411	405	418	414	429	415	448	636	663	625
411	422	412	413	423	418	438	639	621	624
409	416	407	413	423	418	456	643	625	626
396	405	414	415	424	416	442	643	627	629
409	403	408	415	420	416	436	642	627	629
405	405	403	414	407	413	435	643	629	630

7840	406	412	414	413	419	462	647	628	632
27500	411	3210	423	415	433	438	643	632	625
22100	410	10500	416	413	439	452	643	630	629
16000	409	5470	416	413	437	441	642	628	632
10700	406	399	426	415	436	443	641	626	627
5470	408	397	424	420	436	440	640	625	630
435	419	400	421	428	442	434	643	624	627
406	436	398	417	424	443	450	642	624	626
419	412	398	415	411	438	448	638	630	626
408	406	399	414	424	442	445	637	632	628
410	405	418	416	414	435	416	636	632	627
418	407	398	419	414	439	467	641	631	626
421	405	396	419	414	443	475	638	635	628
416	408	399	421	414	434	491	639	637	622
408	410	407	417	405	435	450	651	634	628
406	409	408	415	404	432	473	643	637	624
403	410	412	414	402	436	513	638	642	625
415	407	2720	418	402	439	522	640	637	626
415	409	10500	421	404	440	484	639	638	617
412	409	9780	418	410	445	503	639	629	628
413	409	5940	414	408	436	507	643	639	627
411	410	457	411	406	434	504	637	643	625
411	408	418	414	405	430	460	635	642	636
405	410	415	415	405	433	456	639	642	626
405	411	410	414	393	438	456	640	638	619
426	414	410	415	413	439	456	631	632	632
4020	415	411	415	424	433	446	638	632	625
41400	417	414	415	424	431	445	638	634	621
32900	435	411	415	423	429	575	637	639	626
28600	4120	415	415	420	423	587	636	637	620
25100	10600	418	415	419	425	615	636	642	620
15400	8070	477	416	424	426	596	639	639	613
5630	3900	11900	416	425	423	574	640	638	618
485	446	30600	415	453	418	559	645	632	619
412	424	30500	414	450	426	564	639	630	623
412	419	30500	414	450	425	578	639	635	619
4520	412	27800	417	450	424	575	641	633	616
13200	404	25500	415	450	427	569	639	636	621
17000	408	21500	417	446	432	562	638	641	621
16300	413	11400	412	426	430	576	636	632	618
7480	408	3760	410	419	428	574	639	627	625
489	412	413	416	429	421	577	639	632	626
453	414	409	410	419	418	572	639	662	628
420	411	406	406	416	420	576	641	658	629
405	412	402	404	415	427	574	639	655	630
402	411	409	405	418	423	570	639	652	630
404	410	405	411	426	417	572	639	636	629
413	408	404	416	422	435	581	638	636	633
413	412	404	416	419	449	585	639	640	625
409	411	404	415	417	451	583	639	635	618
411	414	402	414	417	435	581	645	642	621
412	412	401	409	416	416	581	641	644	621
406	410	402	412	417	442	593	642	647	621
406	413	404	417	416	435	586	643	642	615
409	414	402	416	431	438	590	638	645	613

412	416	400	417	424	435	566	639	638	616
408	424	401	417	410	427	565	639	639	620
409	421	402	416	402	429	573	639	642	608
415	422	397	413	401	428	575	640	643	610
414	419	398	411	418	425	587	639	638	615
408	433	400	417	416	431	581	642	639	607
413	427	400	416	418	427	573	646	639	612
403	458	401	417	413	420	568	643	660	598
407	447	405	418	402	419	573	645	639	607
417	2270	403	419	410	437	574	642	640	615
417	13000	395	417	422	448	574	639	634	622
417	18200	397	414	421	451	577	639	636	626
387	18200	397	415	431	447	577	647	642	621
415	9820	400	418	449	429	576	647	646	618
411	397	402	418	433	424	571	646	652	624
422	415	404	417	427	420	577	646	647	629
422	429	405	417	414	428	574	639	642	630
417	429	407	409	417	445	576	640	643	622
411	420	410	411	416	448	576	639	640	640
409	417	410	418	416	447	577	638	645	621
408	422	406	415	437	446	576	656	646	633
414	431	407	420	423	441	576	650	639	635
416	9560	404	434	409	432	568	641	644	623
419	10700	405	425	409	427	564	642	645	616
422	8200	411	421	429	426	563	643	645	624
417	13700	411	419	443	423	563	647	647	620
415	18200	409	416	456	430	557	639	646	629
420	18100	409	412	462	428	573	638	645	629
424	15300	410	411	506	418	574	637	642	620
2200	13100	414	413	4450	420	576	642	643	619
32100	8920	414	410	20900	413	572	641	646	616
35500	3080	414	408	67800	421	569	644	651	618
27900	3090	420	409	132000	448	572	641	655	625
12300	1450	412	410	131000	446	574	639	645	628
1220	470	412	414	93300	425	577	639	644	639
428	441	430	418	65800	438	575	637	648	632
424	426	413	418	54500	432	572	643	642	623
414	422	415	412	38800	430	584	644	644	617
414	423	413	412	31200	434	583	640	646	610
418	424	410	413	21800	446	592	639	635	612
421	421	410	416	13100	447	637	650	639	613
419	429	412	433	13000	447	630	645	639	615
419	8990	406	435	11200	446	631	637	631	612
999999	999999	402	999999	999999	999999	634	999999	999999	999999
424	29100	401	446	5150	446	641	640	632	624
416	40000	403	437	437	444	646	657	637	634
411	42200	407	432	454	439	654	646	641	616
408	31100	407	444	440	437	658	634	641	650
407	22100	404	463	432	451	643	655	638	614
408	17000	404	453	430	452	641	648	642	614
408	13100	403	446	9720	445	636	636	642	611
405	13000	401	444	39300	443	636	639	642	620
405	13100	405	437	39000	431	644	644	638	616
414	10200	394	435	38100	426	631	640	642	620
414	8090	392	433	34100	434	631	641	643	622

416	8150	392	435	31300	436	630	643	638	634
416	28900	396	434	25400	429	640	643	638	681
415	43100	428	427	20100	426	689	635	638	641
416	39600	450	416	12800	427	675	642	638	640
412	40000	446	402	2990	422	694	635	636	627
416	34900	445	395	481	430	679	630	640	622
416	12800	446	413	455	445	681	645	646	630
417	5340	446	427	434	446	676	640	642	634
417	3190	438	412	433	445	651	639	637	633
417	3160	434	410	434	445	656	639	632	626
417	3140	433	403	434	440	662	639	634	628
416	3160	436	417	424	442	666	641	634	628
415	3170	437	425	426	441	697	639	633	641
416	3140	431	405	430	435	679	642	643	651
413	3120	436	408	423	427	670	640	643	658
414	3130	420	421	429	425	665	636	642	647
413	3140	412	431	430	427	672	634	641	642
413	1580	422	430	437	423	679	633	640	628
415	440	416	429	425	421	670	632	634	627
437	437	421	430	428	424	674	637	649	619
421	426	421	435	439	426	649	638	647	629
429	428	423	432	426	429	639	639	641	631
4320	429	422	435	400	425	637	644	644	629
4510	421	420	436	404	452	635	639	659	627
1650	417	420	424	422	459	641	646	651	624
419	417	420	418	438	447	640	637	645	616
411	421	420	416	434	448	637	638	648	623
411	424	418	424	439	448	642	636	657	632
410	424	417	420	435	444	643	634	643	625
420	425	412	417	427	434	643	645	639	622
12200	421	414	408	411	435	635	647	643	627
34900	425	412	414	409	431	638	638	642	625
38000	424	416	428	411	429	642	641	639	614
30500	420	411	434	415	437	633	642	663	613
28000	416	410	427	415	436	647	642	652	621
25400	419	410	420	415	434	645	639	624	627
17800	418	411	406	415	428	644	641	631	629
6650	422	413	399	416	424	634	632	628	621
474	430	416	426	412	420	640	642	629	623
416	429	415	433	408	424	638	639	627	625
414	334	411	428	410	422	637	639	635	617
416	337	411	431	411	417	641	642	677	631
418	433	413	418	415	421	642	640	681	625
418	432	401	415	413	432	640	642	660	624
419	425	401	407	416	428	697	648	664	628
421	420	411	417	415	423	644	650	666	627
420	419	408	410	412	429	628	648	651	617
419	424	409	391	412	428	624	645	633	627
411	421	404	410	410	429	629	646	658	623
416	425	405	419	407	426	631	651	624	619
424	423	403	416	408	420	642	640	654	623
423	420	405	422	416	422	629	640	643	615
424	421	409	426	416	416	637	639	628	623
421	424	409	418	433	425	628	639	632	628
417	424	408	406	422	428	636	631	633	625

416	426	408	420	413	426	636	626	635	622
425	422	410	409	408	423	635	628	642	627
431	424	409	413	411	430	638	633	633	628
432	423	406	443	412	433	641	630	663	625
425	418	404	449	411	420	641	627	628	630
424	420	406	451	411	430	640	631	628	628
430	419	405	445	418	444	637	628	629	627
421	422	403	447	408	435	650	628	630	622
423	423	408	433	416	436	648	632	625	624
422	424	411	416	432	442	645	622	631	628
423	426	407	416	426	437	632	620	623	630
421	423	408	426	418	423	639	624	631	629
418	425	409	431	411	437	637	625	628	628
422	422	402	425	420	445	636	614	650	626
424	421	408	430	433	443	638	602	625	620
419	425	411	425	420	440	633	604	623	621
415	424	409	432	428	447	633	603	628	630
419	426	409	425	423	439	634	603	633	627
420	423	408	442	419	426	635	608	627	623
418	427	411	426	416	421	643	615	624	627
413	425	412	414	416	437	651	604	628	625
414	423	408	414	424	445	652	609	632	631
413	419	408	419	425	443	651	613	626	629
413	421	410	426	420	437	636	622	620	633
412	426	407	441	419	426	638	622	629	623
416	427	414	428	406	429	637	619	628	626
415	424	413	415	396	431	637	621	627	618
414	426	411	422	408	434	637	618	626	622
409	422	411	417	424	433	637	620	626	630
403	417	412	417	416	435	638	619	618	626
405	413	412	417	413	436	643	620	621	625
409	413	420	420	412	424	641	619	628	628
410	421	420	420	410	412	637	622	628	625
410	427	411	416	406	426	635	626	627	632
409	417	409	411	403	439	628	624	628	618
410	421	409	415	409	440	638	619	618	628
403	426	414	415	403	443	635	619	620	625
398	423	415	416	412	442	635	622	624	630
395	417	414	417	406	437	638	620	625	620
400	416	413	421	411	421	640	619	626	624
409	419	413	414	409	436	640	625	627	625
419	421	413	410	410	445	645	624	627	623
419	421	417	420	414	463	640	619	624	625
418	423	420	415	416	516	639	620	623	625
414	414	420	406	417	667	638	1830	622	627
412	417	422	410	412	600	638	2500	624	623
415	414	417	414	404	754	638	2480	627	626
415	410	416	416	408	719	639	2500	627	642
418	421	414	408	412	679	634	2520	627	625
416	408	420	414	419	794	631	2540	627	620
412	406	422	412	420	492	632	1280	627	621
405	414	418	411	418	465	633	611	630	615
398	415	417	409	420	441	634	646	647	616
413	411	424	408	406	439	636	628	644	617
417	414	421	412	419	436	636	613	630	621

410	416	421	418	426	546	636	610	630	617
411	411	422	414	425	542	632	620	637	619
411	411	422	417	424	730	635	625	639	613
406	411	425	418	427	726	638	624	789	610
405	407	429	412	420	724	636	626	627	609
405	411	429	422	422	726	633	628	628	608
409	410	427	422	420	726	636	637	628	610
429	410	433	413	430	716	636	632	631	608
415	409	430	422	429	430	646	628	626	610
413	402	435	428	422	525	636	630	629	607
408	401	435	422	422	471	639	629	624	609
411	406	435	427	416	735	632	632	629	611
415	415	435	425	422	723	634	624	616	605
413	421	430	419	420	691	634	615	616	608
413	422	427	401	428	480	633	614	617	613
417	423	424	406	427	452	640	619	616	613
419	420	424	429	435	681	634	619	617	605
416	424	422	441	427	685	633	615	618	611
413	426	418	430	424	717	639	626	619	610
412	422	430	422	424	721	639	614	623	611
405	422	432	416	420	722	639	616	623	621
408	422	431	411	430	630	643	613	620	621
417	420	430	412	429	710	634	615	620	619
416	418	432	407	427	730	634	623	633	613
417	415	426	417	429	731	640	615	640	623
418	422	428	411	424	532	637	617	641	615
421	421	427	412	412	432	637	619	636	616
414	418	425	410	415	498	638	620	640	619
414	419	428	410	421	574	672	617	632	619
408	415	426	417	424	458	643	621	634	621
413	414	365	413	418	504	631	625	634	617
409	421	360	413	411	764	631	623	640	619
405	421	358	412	414	735	636	623	634	619
407	424	361	401	405	740	680	624	637	617
414	425	373	407	417	738	630	638	638	619
417	424	448	416	417	747	634	623	628	621
416	423	429	421	415	532	633	624	626	642
413	420	365	412	406	429	639	615	633	655
413	415	358	410	415	426	673	623	624	656
413	415	350	405	438	429	636	614	627	654
416	417	349	402	427	433	635	608	634	653
417	409	354	415	411	460	635	611	625	649
417	404	427	412	424	450	632	612	626	638
407	401	431	416	435	446	637	615	628	645
406	390	347	414	429	443	635	621	618	655
409	390	352	417	435	445	648	619	624	650
408	420	385	421	431	447	633	621	633	637
406	416	368	426	432	457	634	623	636	607
406	419	423	431	422	458	635	623	625	610
404	417	421	421	431	459	634	625	622	621
402	416	426	425	424	457	632	619	622	609
405	419	362	429	421	452	640	609	622	611
403	419	423	429	420	445	634	609	622	609
401	419	422	422	420	440	631	611	621	610
403	422	425	419	428	439	627	614	622	614

406	411	424	411	427	442	633	616	621	620
407	412	423	413	426	445	631	616	621	618
408	418	425	420	422	444	621	618	621	607
406	424	426	421	425	446	624	617	618	613
405	419	420	423	427	447	628	609	614	608
403	421	420	423	430	439	618	610	619	612
405	418	424	419	436	444	623	611	618	624
405	419	427	397	424	451	620	650	617	621
356	425	426	394	424	452	648	629	618	617
352	422	421	403	442	453	621	622	611	621
358	415	424	400	442	443	624	606	610	594
407	415	424	415	442	448	622	608	610	626
407	420	413	421	447	442	624	610	612	624
408	419	414	423	446	443	625	645	610	627
356	417	424	422	437	441	625	612	612	664
403	423	425	427	434	444	635	605	614	642
406	427	422	420	436	494	640	607	620	650
358	428	422	419	437	458	640	607	612	622
409	427	423	417	438	524	636	610	618	613
410	420	420	421	438	544	637	607	613	615
356	410	419	405	435	504	639	608	612	631
357	408	416	392	431	527	643	608	611	629
406	444	415	395	439	580	646	612	613	627
365	426	415	418	435	588	656	621	615	616
403	422	417	441	427	495	641	620	615	621
405	412	420	438	427	455	655	622	612	621
410	414	419	427	435	453	638	618	611	619
409	419	422	414	425	465	645	621	610	627
366	417	425	412	421	471	657	619	612	628
408	419	423	399	416	495	653	622	614	632
406	421	423	405	430	463	651	632	615	621
406	424	417	416	440	443	657	638	608	624
407	430	418	411	445	449	649	632	620	624
410	426	420	415	428	459	642	623	621	627
404	425	423	411	426	461	658	606	619	629
405	426	423	411	426	487	657	628	607	644
404	427	421	424	429	473	708	612	610	645
401	428	420	422	440	449	652	625	610	628

1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
668	618	613	615	1170	619	627	626	626	624
628	625	615	636	1590	615	628	630	633	622
630	627	612	612	1590	623	624	629	645	625
636	626	611	618	1600	623	618	627	647	631
624	621	613	620	1590	624	629	617	642	627
631	617	614	619	1590	624	629	632	641	627
634	608	615	619	1590	622	629	636	640	627
623	683	607	619	1590	623	629	637	640	634
621	606	604	616	1580	623	638	633	636	631
621	609	608	612	1590	624	618	631	678	635
621	609	612	615	1590	622	617	631	618	630
630	608	607	619	1600	623	627	634	622	625
632	608	606	616	1600	625	628	632	624	632
627	611	619	618	1600	624	622	633	633	631
631	612	624	616	1600	625	759	635	694	628
629	612	622	615	1610	1340	913	637	631	628
631	612	610	616	1600	1640	909	634	636	626
632	613	604	615	1590	1610	907	631	631	630
629	624	605	619	1600	1580	909	631	639	626
628	611	615	618	1590	1610	917	627	635	632
629	614	608	619	1590	1600	911	631	637	632
632	613	605	618	1600	1640	920	631	644	629
628	613	624	619	1590	1600	918	636	641	630
627	614	621	618	1590	1610	916	625	642	633
631	611	605	619	1590	1600	912	628	643	635
630	612	615	620	1590	1610	916	624	641	634
630	613	620	620	1590	1600	932	626	645	630
629	614	626	619	1600	1830	917	624	647	636
626	618	616	618	1590	1860	919	633	644	633
626	617	629	618	1600	1860	909	630	641	634
626	619	625	617	1600	1870	915	633	641	632
622	614	610	617	1590	1750	933	637	634	638
621	615	616	631	1590	1670	922	636	627	640
621	620	620	619	1600	1670	913	629	631	640
625	617	610	620	1590	1670	946	631	629	637
621	614	616	621	1600	1620	932	635	629	639
621	613	616	621	1590	1620	937	640	634	637
622	614	617	625	1590	1620	967	640	637	638
622	614	619	622	1590	1620	938	643	637	639
622	613	618	622	1590	1610	953	637	637	640
622	613	623	621	1610	1600	935	642	637	642
622	614	622	620	1600	1620	933	638	636	641
622	615	622	623	1590	1620	932	635	636	642
641	619	621	623	1590	1620	951	638	634	643
622	614	620	619	1600	1620	960	639	637	638
622	614	620	625	1600	1650	933	643	636	637
621	614	621	628	1590	1610	935	653	636	635
626	614	620	624	1590	1610	932	646	639	632
622	614	620	620	1590	1600	933	639	642	632
622	614	624	619	1590	1620	934	638	643	643
621	613	622	621	1590	1650	933	634	639	627
626	614	623	622	1590	1630	933	636	640	640
626	614	622	637	1590	1610	933	630	643	628

622	615	622	620	1590	1590	918	640	643	629
628	613	622	623	1590	1600	923	633	644	629
622	614	622	621	1590	1630	944	629	643	630
622	614	622	621	1590	1590	952	629	641	630
621	615	623	623	1580	1590	935	631	640	629
623	614	623	622	1580	1600	933	628	641	630
622	614	623	622	1580	1600	936	635	639	629
620	614	623	623	1590	1610	941	638	640	626
626	614	623	626	1580	1670	923	631	636	626
623	613	623	623	1590	1670	907	624	627	627
625	613	623	650	1590	1690	926	627	623	627
622	613	623	704	1580	1700	945	628	623	627
623	613	623	648	1590	1670	915	638	616	630
623	611	621	637	1590	1670	933	630	621	632
622	606	624	627	1570	1670	931	634	627	630
618	618	626	624	1590	1670	906	630	619	630
622	615	634	619	1600	1680	922	621	623	630
624	620	623	618	1590	1700	956	624	616	631
625	613	623	620	1590	4970	932	625	617	631
622	614	623	628	1590	8640	941	626	615	631
627	611	624	631	1580	9320	941	627	620	630
628	612	627	632	1590	9520	935	628	617	630
632	615	627	643	1590	9540	915	620	619	627
629	612	626	639	1590	6020	915	616	630	626
631	617	626	640	1590	1610	919	613	619	627
625	617	626	635	1580	1660	923	618	621	623
623	616	625	629	1580	1660	931	624	614	624
621	615	635	635	1580	1620	934	626	613	623
625	616	635	637	1570	1610	929	627	618	624
626	619	623	632	1570	1620	933	620	614	627
624	619	619	628	1580	1610	922	620	614	629
620	617	620	618	1580	1620	933	627	618	626
623	625	622	622	1590	1610	932	629	615	626
622	640	618	615	1590	1650	915	627	616	627
629	631	617	618	1580	3110	917	626	618	629
631	618	618	622	1580	23700	918	625	618	627
622	619	615	618	1590	34600	938	624	621	628
621	615	621	622	1580	34600	937	627	620	628
620	630	620	616	1580	62500	935	627	618	631
624	648	622	614	1570	122000	939	623	618	631
617	621	621	618	1580	126000	933	619	623	630
621	615	614	621	1560	94800	933	623	624	630
621	615	622	633	1580	86900	933	622	621	631
624	613	620	634	1590	76000	939	624	621	630
624	615	618	632	1570	64700	946	623	619	631
623	678	620	646	1580	50400	912	622	619	632
621	633	623	668	1570	35300	931	616	619	636
620	613	618	1060	1580	29100	940	636	619	633
621	611	619	1050	1570	22500	942	631	614	634
621	610	613	648	1590	12300	956	625	620	637
620	615	619	643	1580	6060	990	624	616	631
616	664	614	693	1580	3530	952	621	616	630
618	625	607	651	1560	3540	944	620	614	632
621	627	612	621	1570	2610	944	619	614	626
623	635	611	616	904	972	966	615	614	629

622	611	607	618	634	617	959	615	618	630
625	614	616	625	629	606	965	614	614	630
620	612	617	616	642	602	959	617	614	630
630	689	619	614	624	640	956	618	614	630
616	661	616	617	628	636	966	616	615	630
620	620	617	617	624	831	971	618	615	631
627	613	617	621	621	3660	972	617	618	630
631	614	639	617	621	11100	970	627	624	631
623	613	624	622	632	4700	972	627	617	634
621	614	620	623	660	769	979	628	616	632
626	613	619	629	643	5500	981	625	617	630
619	613	620	645	631	16200	970	632	618	628
618	608	614	622	654	16100	967	625	615	631
618	611	618	626	636	16200	970	627	625	631
621	612	611	619	637	14300	962	627	615	629
621	612	619	620	620	13600	957	622	614	629
622	613	639	635	624	13600	1010	623	615	630
618	614	639	617	624	16700	4450	623	659	630
619	612	635	618	749	17600	10100	624	615	629
617	616	634	620	4020	16600	10100	621	614	628
619	613	641	624	10100	14600	10200	627	616	630
611	616	751	621	10100	12500	10100	629	626	629
618	626	642	620	10100	10600	10100	632	631	629
612	674	630	619	7450	8590	10200	634	630	637
631	633	640	619	611	6510	10200	616	647	638
627	634	633	622	614	4600	10200	626	641	642
658	635	628	621	612	2600	10200	623	636	637
646	626	623	624	611	1100	8390	625	661	630
700	613	623	618	612	618	3270	642	640	630
666	614	624	618	611	615	916	643	635	631
647	612	622	618	611	614	915	708	640	631
629	612	625	624	2670	615	892	2270	643	632
614	614	636	628	7400	615	903	7860	644	632
618	695	648	626	10100	614	919	8080	642	635
622	638	637	626	11700	620	933	8030	641	642
619	623	634	621	21500	613	931	8040	641	642
618	612	626	625	30200	601	922	5870	649	641
612	643	629	644	30100	601	931	703	651	638
623	633	624	627	20600	610	920	682	647	644
615	618	630	628	15200	607	904	655	645	637
617	612	644	632	10000	607	903	650	650	636
611	614	632	632	618	617	903	647	660	637
611	613	667	631	610	617	904	664	645	635
622	999999	999999	999999	612	999999	999999	999999	647	999999
621	612	643	632	612	619	906	645	645	626
622	615	641	630	613	618	906	636	644	631
613	614	623	628	611	622	768	644	646	632
616	613	623	626	615	629	638	1370	641	630
617	613	624	625	612	631	630	3000	659	638
623	619	623	625	609	631	634	3000	644	630
619	616	623	625	610	632	630	3000	643	628
614	618	624	629	611	631	636	2040	649	630
614	615	634	6270	610	629	632	623	648	632
619	619	628	41100	610	631	626	644	645	629
633	618	626	67000	613	629	628	626	641	627

618	618	624	70100	613	623	631	614	638	629
617	613	624	69900	611	629	640	628	637	630
618	621	624	69100	612	629	632	626	638	627
614	619	624	52800	611	639	638	627	639	630
617	612	624	40300	610	648	642	633	639	634
619	618	631	29100	611	644	636	722	636	639
620	1020	624	23100	611	634	636	626	632	652
618	632	632	23200	631	633	634	627	636	628
618	629	623	18600	610	634	631	620	629	630
618	627	618	13100	612	632	630	622	618	629
617	629	625	13100	613	637	638	626	629	631
620	7050	629	13100	619	669	636	625	624	631
616	22100	628	10600	619	632	638	631	635	631
611	23500	632	8040	630	635	4810	627	636	629
618	23200	631	8040	622	636	10100	622	615	628
622	23200	630	959	635	637	10100	633	634	628
623	20700	630	635	634	641	10100	632	628	624
622	4750	634	628	635	644	10100	623	625	622
623	628	626	630	635	645	10200	624	615	623
621	634	629	631	634	645	4650	623	611	620
617	630	624	630	639	633	636	619	613	620
618	629	631	626	625	623	636	623	611	618
623	620	636	625	625	621	636	620	611	631
618	610	626	626	624	624	636	624	612	632
619	607	627	627	623	621	636	629	613	641
618	613	634	628	614	620	625	635	612	639
617	616	628	708	613	622	633	627	612	637
615	605	627	8000	611	621	626	628	614	635
618	613	628	10200	614	622	632	627	614	632
618	614	624	10200	615	622	634	628	611	634
620	616	624	9470	617	621	635	625	612	631
621	612	623	7880	623	618	635	623	611	631
623	617	623	5570	621	622	636	621	617	632
619	618	622	642	623	619	636	619	616	631
618	617	621	640	639	620	637	617	617	630
622	622	624	638	633	618	628	611	618	631
619	643	622	635	635	615	624	613	621	629
620	643	628	634	635	635	624	614	619	631
618	641	620	634	635	637	624	616	611	633
622	644	624	634	638	631	627	617	607	634
616	642	628	638	636	624	631	619	605	632
620	644	627	635	634	626	633	613	611	633
618	642	630	641	634	628	635	615	610	631
617	640	624	648	633	627	636	614	610	632
620	639	637	643	635	626	634	618	610	632
619	633	636	655	623	618	625	619	622	632
614	642	632	654	624	601	625	621	625	633
619	642	632	655	621	607	625	623	627	633
616	630	629	1490	623	627	627	621	626	634
615	619	626	7780	620	627	627	614	624	633
625	616	628	28800	618	629	634	620	623	622
626	613	639	43900	619	602	630	626	628	622
621	611	623	44100	622	621	625	625	628	620
620	615	626	43900	633	625	624	623	629	620
620	617	634	37800	633	623	618	620	632	620

620	620	642	13800	635	624	618	617	635	621
625	615	637	11600	633	624	615	618	628	621
619	613	632	7150	635	623	617	620	627	622
621	619	638	631	634	623	618	620	629	621
620	608	634	617	633	624	623	620	629	622
619	613	629	622	642	624	615	615	628	625
623	616	632	627	637	622	615	615	624	626
622	615	630	630	637	624	615	620	617	625
620	615	633	631	643	634	619	621	619	626
619	615	628	636	646	625	626	622	623	628
618	615	636	613	657	626	631	616	633	623
618	615	656	613	767	627	628	615	632	616
616	615	667	618	7480	638	624	620	627	615
618	616	663	621	10100	635	625	622	618	614
623	615	662	620	7630	648	624	627	623	615
623	610	655	623	2440	624	624	626	617	614
621	604	648	622	1850	625	621	618	650	619
621	599	643	626	6180	627	621	625	663	619
622	614	642	625	7380	635	623	626	660	618
621	615	627	626	730	625	624	626	667	617
617	610	631	626	612	622	629	624	664	617
616	616	635	625	611	626	631	623	662	619
615	615	628	622	610	627	642	625	670	618
616	617	631	620	611	623	641	625	666	619
618	613	625	619	614	622	632	627	662	616
621	614	637	623	612	638	621	628	668	615
643	616	640	621	617	650	628	610	638	627
643	616	632	626	608	637	656	626	618	624
635	616	634	627	608	652	651	609	614	623
636	615	625	625	617	651	634	616	617	626
632	620	624	653	619	650	650	609	620	620
631	617	632	667	618	639	633	604	625	624
626	617	633	661	621	637	635	619	625	624
625	615	633	672	624	630	637	619	619	624
626	615	629	666	624	631	632	615	625	622
631	614	625	667	628	637	642	573	621	623
636	613	625	667	611	641	644	575	623	624
630	610	631	666	616	639	638	570	631	624
627	609	637	662	616	638	643	561	620	624
629	616	628	667	616	638	640	559	629	622
635	615	625	673	617	639	642	565	683	618
635	614	623	675	622	637	623	607	621	618
632	606	629	673	628	646	619	658	621	621
629	616	624	672	619	644	622	648	622	621
632	615	617	666	616	645	626	646	614	625
631	615	620	662	621	633	618	654	624	628
635	612	619	661	624	637	618	654	620	628
630	612	618	659	623	641	629	661	623	630
629	613	616	690	611	641	631	650	631	630
636	614	616	635	616	639	639	663	628	630
672	615	616	643	618	632	630	628	625	631
616	615	618	636	648	627	624	627	623	631
619	613	614	617	624	628	653	626	616	630
614	612	613	620	616	629	651	621	616	631
615	612	612	622	620	628	627	620	621	629

617	614	613	623	621	632	628	618	618	627
612	613	612	622	620	638	625	620	617	628
613	611	615	621	620	638	627	627	618	627
616	635	619	618	621	635	628	632	626	693
868	631	617	618	620	637	629	630	626	730
1010	612	615	619	622	622	629	627	626	731
1030	624	616	621	621	626	625	627	622	724
1020	615	612	620	621	626	624	628	626	729
1020	626	615	619	621	625	624	627	626	731
1020	632	615	620	622	625	627	627	626	729
1020	614	608	620	624	629	631	626	626	730
1010	617	612	622	621	628	637	623	623	729
1010	616	618	620	621	627	626	620	628	731
1010	615	611	622	621	628	626	620	628	730
1010	614	611	618	622	627	626	627	628	733
1010	613	617	617	624	635	621	629	627	735
751	606	616	616	639	638	621	630	628	733
621	604	608	617	629	637	620	629	628	733
618	606	605	618	645	620	619	628	627	733
626	613	605	616	642	622	619	624	627	669
626	614	634	622	628	624	622	629	627	626
627	615	649	619	633	624	627	627	628	634
628	612	649	619	634	621	623	624	628	642
627	609	649	620	645	626	617	625	628	643
626	619	647	618	644	630	622	626	623	743
622	617	644	627	642	625	619	624	623	743
625	603	643	624	645	612	624	623	627	745
624	606	606	623	644	614	615	624	628	744
625	606	608	619	643	612	623	624	629	739
627	608	611	628	644	615	652	625	623	744
630	612	613	631	641	635	625	624	623	746
631	611	611	624	634	640	622	624	621	694
632	612	619	625	653	666	610	624	615	645
499	611	619	621	657	661	611	625	616	649
419	611	618	624	654	660	611	619	616	645
419	616	617	626	643	661	612	621	615	647
480	614	618	631	644	661	611	613	616	650
619	608	618	627	646	650	623	618	615	648
663	609	615	612	648	650	626	617	615	709
620	610	619	615	650	650	649	604	615	745
624	609	618	617	641	649	644	651	615	742
625	611	618	615	638	648	638	638	615	693
629	615	615	617	642	649	627	639	620	690
627	622	616	613	642	651	635	626	626	696
627	612	616	616	643	641	645	620	627	691
631	613	613	613	635	646	618	601	627	691
627	617	613	612	635	646	622	603	627	691
622	621	613	614	639	634	626	618	627	693
621	629	614	617	639	640	628	616	627	691
616	614	614	617	641	628	629	623	627	692
621	621	693	618	631	629	630	627	627	690
621	623	615	615	636	641	621	635	627	663
621	614	618	612	634	636	610	621	627	643
624	613	613	619	634	631	603	630	658	642
627	622	615	615	640	631	604	638	615	642

620	616	618	613	630	631	612	639	624	645
622	616	615	618	631	631	602	655	629	666
622	624	617	618	632	631	613	652	621	690
623	625	618	617	634	619	608	640	623	658
621	617	620	617	633	618	606	626	621	637
629	610	617	619	625	619	607	606	627	667
621	614	617	621	623	619	609	648	629	633
613	609	617	622	625	619	616	665	627	636
615	610	616	623	618	620	616	667	627	637
625	610	618	630	619	613	618	660	626	634
628	608	620	625	620	608	623	665	626	633
621	612	621	634	621	610	623	664	620	637
623	614	612	628	620	612	616	662	627	639
624	614	620	630	620	617	616	663	627	639
619	614	611	628	619	609	621	668	627	640
615	612	650	633	624	615	625	664	627	643
615	614	669	640	626	616	628	669	626	645
619	614	669	641	624	604	628	672	627	643
622	615	668	638	624	602	626	663	632	638
625	614	667	641	627	627	616	661	631	631
624	612	644	642	625	644	621	669	629	622
621	612	619	642	625	648	619	668	647	624
623	614	613	643	626	645	622	671	636	620
628	614	613	644	626	657	623	669	640	624
624	615	611	644	625	646	626	695	631	627
627	615	612	639	625	645	629	703	624	638
629	612	613	640	625	638	629	676	629	636
639	613	611	638	625	636	629	669	638	635
617	614	632	641	625	635	645	654	637	633
629	615	636	643	624	630	649	633	640	635
622	615	626	646	624	630	655	629	634	633
623	615	617	682	625	630	655	636	641	631
621	614	620	643	625	629	655	635	641	631
624	614	618	641	625	642	654	701	641	633
631	614	613	644	618	637	645	622	641	631
621	612	621	646	618	658	633	624	640	630
623	612	620	647	620	622	631	626	635	629
625	613	617	646	619	626	633	623	631	632

11425000 converted to IHA format

1944	1945	1946	1947	1948	1949	1950	1951	1952	1953
1600	1030	1680	1180	1400	1830	738	1750	1690	2660
1720	1060	1670	1390	1460	1890	776	1620	1660	2610
1760	876	1790	1560	1320	1860	639	1680	2620	2720
1760	1040	1850	1630	1190	1940	657	1930	3080	2770
1720	1070	1860	1630	1160	1860	621	1660	2580	3040
1760	1010	1860	1600	1070	2110	663	1640	2100	2800
1760	1030	1870	1550	866	2180	633	1930	2260	2820
1840	1080	1860	1450	1160	2140	573	1750	2130	2800
1760	1070	1800	1490	1530	2140	663	1560	2260	2900
1760	1090	1840	1490	1700	2120	731	1580	2350	2890
1800	1200	1670	1440	1860	2120	597	1660	2180	2860
1800	1200	1380	1390	1980	2180	639	1460	2400	2880
1800	1200	1530	1380	1440	2280	621	1500	2500	2890
1800	1240	1680	1370	1360	2340	519	1580	2600	2860
1800	1280	1610	1320	1470	2390	555	1490	2370	2790
1890	1440	1450	1440	1510	2450	495	1400	2280	2720
1840	1300	1550	1560	4840	2380	438	1430	2480	2690
1840	1400	1660	1580	4700	2360	438	1580	2410	2740
1890	1610	1600	1590	3100	2170	395	1460	2380	2750
1970	1630	1560	1480	2500	2040	603	1540	2380	2790
2090	1660	1560	1420	2400	2060	790	1550	2260	2780
2260	1740	1500	1410	2700	2130	848	1750	1760	2770
2350	1580	1320	1460	2700	2130	757	1780	1670	2760
2260	1460	1460	1480	2600	2270	675	1790	2200	2740
2180	1580	1540	1380	2500	2090	776	2180	3720	2730
2180	1640	1630	1240	2300	2090	669	2320	4650	2740
2140	1680	1570	1150	2000	2160	693	4960	3750	2760
2180	1620	1550	1150	2200	2220	712	8050	3420	2750
2180	1620	1500	1110	2700	2280	718	7350	2960	2710
2140	1600	1780	1290	3800	2360	663	8160	2890	2700
2180	1940	4630	1580	4850	2430	585	9710	2970	2700
2260	3370	6370	1660	3400	2380	675	7640	2890	2670
2260	3120	5030	1470	3890	2860	687	5410	2970	2610
2260	2390	3480	1350	4550	4150	796	4710	2990	2270
2260	2860	2960	1330	3550	3580	977	4430	3040	2530
2350	6400	2890	1240	3270	3400	874	4420	2440	2620
2260	4470	2700	1320	3640	2950	705	3790	2220	2600
2350	3570	2700	1270	3350	2570	609	3520	2580	2600
2350	4290	2470	1290	3040	2160	573	3740	2710	2630
2350	3800	2500	1230	2610	2230	639	3790	2670	2640
2350	8710	2500	1150	2250	2370	1280	3570	2700	2610
2260	12300	2820	1020	2280	2380	2930	3420	2900	2550
2260	10300	2940	954	2280	2100	2490	3610	3800	2660
2260	7560	2940	1030	2220	2070	2110	3610	5530	2660
2350	5940	2950	1240	2590	1850	2050	3930	5470	3060
2260	5320	2890	1290	2680	1610	1930	4140	4620	3990
2090	4550	3150	1330	2420	2010	1960	4330	4320	4050
2220	4070	4280	1400	2050	2630	1900	8620	4040	3450
2140	3790	5640	1290	2170	2820	1920	17600	3920	2920
2180	3610	5990	1480	2440	2680	1800	54200	3850	3280
2350	3510	4390	7400	2540	2450	1490	79400	4640	3250
2720	3510	5080	7410	2580	2190	1270	129000	8690	3230
2950	3560	4550	4350	2560	1860	1350	116000	7780	3250

2530	3670	4300	5130	2280	1980	1650	76900	5900	3310
2530	3590	4340	12200	2000	2010	1570	47000	4900	3040
2440	3610	4630	8340	2060	2190	1430	31400	4710	3000
2350	3580	5540	5440	2430	1990	1330	24600	4430	3080
2350	3560	5360	4390	2400	1940	1270	20500	4150	2910
2350	3470	5110	3780	2110	1870	1270	17100	4710	3030
2350	3750	6730	3310	1870	1570	1050	15700	5700	3060
2180	4070	8330	2960	1930	1610	1290	14400	7170	3000
2530	4640	7840	3050	1780	2130	1200	13900	9490	2850
2530	8760	6550	3080	1830	2160	1180	13600	25900	3930
2530	9060	5920	3010	2250	2140	1290	16500	31100	4510
2530	6970	5200	3370	2220	2450	1170	57400	28900	4100
2530	5710	7760	6180	2500	2390	1070	79600	29000	3710
2620	5140	12200	12400	2590	2660	1060	54300	26800	4050
2720	4800	11300	15000	2360	3000	1560	52000	21200	5060
2620	4600	10400	11300	2080	2910	1820	69600	17700	8780
2620	4520	9320	8210	2100	3180	1860	90600	13100	7210
2530	4300	8100	6850	2590	2770	1410	77800	9760	6800
2530	4120	7140	5640	2660	2460	1330	53300	8400	7130
2530	4040	6430	4930	2460	2150	1120	43100	7720	7640
2440	4060	5860	4390	2360	2130	1100	36600	7460	6950
2260	3970	5460	4140	2180	4830	1350	34800	7120	6050
2440	3910	4830	3870	1880	4360	1590	56400	7110	4830
2440	4070	4600	3550	1820	3660	1820	68000	6630	4210
2350	3870	4650	3360	2250	3580	1730	50800	5680	4150
2180	3800	4400	3250	2600	3980	2000	37800	5780	4310
2180	3830	4380	3110	2770	3210	2180	32500	6360	4890
2350	4860	4370	3020	2840	2770	2100	28600	7250	8470
3310	9580	4810	3000	2920	2790	1900	25000	6200	9130
3310	9320	23300	2910	2750	2800	1600	22400	5980	6530
2950	15600	46500	2890	2810	2680	1490	19700	5820	5560
2720	19600	53300	2720	2920	2500	1220	17300	5740	5180
2720	15000	46200	3100	2680	2280	1050	15600	6070	5010
2440	10600	54400	3240	2030	2210	1040	14100	7380	5240
2090	8470	58300	3310	1760	2640	874	13300	16900	6380
2260	7610	71500	3600	2000	4020	1020	12700	27300	8240
2620	8730	86800	3470	1930	3440	928	12300	45000	7110
2620	8680	90000	3260	1920	2850	848	12000	57700	7270
2530	8100	71500	3090	2480	2630	998	11500	44400	12200
2530	6100	49000	2910	2500	2640	1090	10800	29500	11600
2400	5900	37000	2720	2240	2940	1050	10900	20000	9920
3910	5700	32000	2660	5920	2980	928	11200	15600	9490
4370	5670	31100	2600	7240	2790	1200	11400	13400	8740
3690	5420	34500	2550	10400	2810	1690	10700	12000	7770
4510	5180	34700	2410	17600	2920	1750	10200	10600	7230
5280	5240	31600	2390	17100	3130	1920	9080	11700	9590
4300	4940	29400	2500	23000	3070	2100	9480	10800	15100
3400	5120	23000	2490	27800	2840	2290	9410	11000	29700
2700	5570	20000	2410	22600	2760	2080	12600	10100	104000
2800	5570	17500	2410	15900	2480	2690	16800	11200	110000
2900	5780	16500	2390	11400	3000	3120	20600	27400	59200
2700	5730	16000	2340	8860	3460	2540	14500	47600	54600
2600	5600	15500	2390	7560	3600	2590	9170	36600	69100
2600	5430	15000	2320	6680	3480	3000	11900	42500	62400
2500	5560	14500	2310	6110	3220	2610	13300	45600	47800

2400	5900	14000	2310	6010	2790	8620	13600	30400	36400
2500	5770	13600	2250	5610	2630	19700	22200	23900	33300
2500	5610	13400	2240	5110	2850	21200	37200	18400	41600
2500	5530	13000	2160	4600	3000	14900	32600	15400	53100
2600	5390	12600	2010	4720	3220	10100	23300	15300	62200
2600	4870	12500	2190	4580	3380	15500	37900	13700	59300
2600	4900	12200	2210	4510	3280	22600	55400	12400	46800
2820	4900	12000	2190	4460	2490	26000	46900	12500	37100
3720	4800	11800	2110	4260	2490	24200	37900	31300	30600
3650	4800	11700	2170	4020	2710	17100	32800	59300	26300
3370	4700	11500	2120	3940	2770	11900	28300	50700	23100
3270	4600	11100	2240	3970	2740	11600	24300	32800	21300
3240	4200	10900	2570	3970	2800	12000	21000	22500	19000
3260	4300	9970	2680	4240	2830	9010	19200	18800	17100
3600	4600	9100	2620	4280	2280	7570	16800	17600	15600
4210	9000	8690	2670	3820	2640	6800	14700	20800	14000
4500	30000	8450	2450	3570	3190	6180	13400	56300	14500
14200	79500	8960	2170	4040	3450	5710	12600	79500	12100
22300	71400	9200	2300	4240	3550	10000	14500	64900	11700
16800	49700	9000	2660	4640	3720	36700	26200	50200	11300
12400	48400	8500	2800	4880	4060	63800	38300	38900	11400
9130	40200	9560	2990	4980	3840	72400	35400	31400	11600
7770	30400	10700	3040	4690	4650	48000	29700	26300	11900
11500	26900	9370	2860	4340	4620	29900	27700	24300	12100
11200	26000	8640	2840	4980	4220	21000	26700	22500	11600
8920	23500	8540	3900	5060	4880	20000	25900	21600	11000
7340	21000	8470	6420	4500	6980	17300	31600	23100	10500
6640	18500	8020	26300	4320	5170	13900	36300	22000	9670
5770	17300	7620	33100	4170	4030	12700	32400	20300	9120
5190	22500	7440	25000	3990	3780	11500	28700	18800	8960
5150	22100	7460	17500	4070	3880	11000	25900	18300	8320
5040	19000	7230	13600	4330	3760	11400	23000	26700	7680
4980	17900	7170	11400	4340	3660	11300	21200	29400	7490
4900	17500	7300	9610	4200	3550	10800	20000	25400	8130
5040	15600	7380	8420	4160	3630	10400	18800	24300	7760
4910	13900	7710	7700	4070	3840	10200	17700	26200	7010
8340	12600	10000	6900	3810	4790	10300	16800	23000	6820
13400	11600	10400	6070	3990	5360	9960	15900	21300	7030
10400	10800	9320	5500	4150	6670	9520	14600	20900	7030
7900	10000	9470	5310	4240	6660	9400	13200	18900	6790
6640	9240	9840	4940	4300	6420	9520	12800	18100	6710
5780	8740	9390	4830	4210	6300	9860	12500	17300	6530
5220	8590	9840	5030	4230	6150	10300	12000	16500	6660
13200	999999	999999	999999	4330	999999	999999	999999	16600	999999
17900	8250	12100	4960	4140	5970	10900	11500	17100	7120
15500	7940	11400	5400	3890	5900	11000	11200	18200	7280
11400	7700	10700	8880	3850	13400	10400	11000	17400	6900
16700	7840	10400	15700	3840	23200	10400	10800	17500	6580
29100	7680	9820	14000	3750	20800	10500	12000	18500	6400
25300	7390	9390	11300	3670	16800	11300	15300	17300	6390
17100	7600	8980	9610	3620	13500	11300	20400	25700	6500
12600	7220	8980	8710	3390	10700	10600	21200	29000	6640
10900	6880	9130	8950	3350	9120	9720	16000	21800	6820
10800	6720	9150	14300	3400	8990	9240	16500	17600	7190
11500	6800	9630	25900	3210	18100	8740	15000	18000	9170

11800	6660	10100	24900	3230	25000	8710	13500	17400	9420
11900	6800	11200	19600	3460	22000	7880	13000	17600	10400
11900	8080	15200	15700	4990	16000	7380	13600	17100	9900
10800	9520	13500	13500	5990	13000	7560	14800	20500	8710
9740	10600	12000	12200	5480	12000	7160	14600	33300	8120
8970	11100	11200	11600	6380	13000	6980	14500	30400	8420
8900	13700	10600	11300	6460	13000	9830	14000	23000	8450
9670	12600	10100	11300	5510	14000	11900	13500	26500	9170
9900	10900	10900	11200	5890	17000	19400	13500	22800	19300
9740	10200	12000	10700	4970	16000	20900	14000	18500	19800
9350	10800	11400	10300	4360	15000	18800	14500	16200	16300
8860	13900	10900	10800	4080	16000	20500	14400	14700	14200
8780	15200	10400	11800	11400	15000	23000	13700	13900	13200
8950	13500	9880	11000	20500	14000	28300	13600	14000	13600
9160	19200	9510	10300	16900	13000	26600	13800	16500	13800
9080	24500	9660	9800	12000	11000	22500	13900	20800	13900
8710	20500	10100	9800	9300	11000	19600	13800	22900	13800
8410	16800	13400	12700	8500	11000	17600	13800	24900	13800
8330	14500	18500	16100	8400	10300	16200	13900	27300	13500
8460	13000	18600	19300	8520	9650	15400	13700	28800	13100
8810	12100	16200	17500	8780	9120	15300	13200	29800	12800
9400	12700	14800	15600	8720	8800	15400	12700	30800	12800
10100	11800	13700	15600	10500	8780	16000	12500	31200	12800
11200	11300	12800	15800	13000	8780	16700	12400	32200	13100
12500	10700	12600	14100	14100	9090	16500	12700	35800	13600
12300	10400	12700	13100	13600	9840	16800	13200	40300	14400
11300	10300	12600	12500	12600	9900	20700	13300	45600	15100
10500	10200	12400	12200	10900	10800	23000	13200	51300	14200
10800	12400	12100	12000	11400	11500	24300	12600	52100	13200
10300	11300	12000	11700	21600	12300	21900	13100	48900	12400
9580	10500	11100	11200	27500	13300	19500	14300	45200	12200
10500	10300	10500	10300	25300	14800	17900	14800	43000	11300
11400	10100	10800	8980	21300	15900	17200	14500	42600	10800
11000	9660	11300	8900	18000	16200	19400	14800	43100	10300
10500	8410	11900	8980	17200	16500	19300	14400	42400	9590
10100	8810	12300	9140	21300	16800	17800	13700	38000	9400
9770	9640	13400	9400	27000	17200	16900	13200	35200	10200
9260	11100	14900	9640	38500	17700	17000	12800	36400	10600
8840	12300	16100	8980	40200	17400	17600	12300	40000	10200
9670	13600	16300	8100	34300	17600	18100	11900	43300	9840
10400	15500	15600	7480	33800	17000	19000	11700	43300	10400
9540	16700	14500	7120	29000	16300	20100	11400	41200	11700
9080	16600	14200	6790	29800	16600	20600	10300	40000	13900
9000	15600	15000	6000	29300	16700	20800	9790	40900	15900
9430	15300	16100	5590	27100	16000	19600	9950	43600	16500
9290	15000	17300	5150	25200	14700	18200	9500	47800	16400
8840	14000	17900	4690	24100	13400	17600	8660	52400	17400
8700	13200	17400	4280	24200	12600	17600	8440	54700	36300
9080	13200	16700	4160	24800	11600	17100	11800	56200	48300
10100	13700	16300	4070	25200	11000	15500	10700	51800	37900
11400	13700	15600	3690	23500	9940	14200	9330	47000	29400
12600	14400	14800	3610	21200	9660	15000	8720	46200	24000
13300	16300	14500	4030	19600	10100	15000	8450	46000	20700
13600	17000	14700	4690	17800	10300	13400	11800	44100	18500
13500	16300	14700	4520	17600	9630	11900	15900	40900	17700

14000	14500	14800	3980	18600	9260	11500	13800	37000	18000
15000	13600	15000	3760	20200	9020	11000	13300	35000	18100
15600	13800	15100	3620	22500	9100	10300	12500	36300	17400
15600	14000	14100	3390	21000	8930	9040	12100	43100	16000
15500	13700	12600	2810	18000	8180	8500	12400	40700	14400
14600	14500	12300	2310	16400	8240	8740	13500	37400	12900
13100	14600	11600	1850	15700	9840	9380	15900	37200	12000
11500	11900	11100	1620	15600	10700	10800	14000	37300	12000
10600	13500	10800	1490	16600	10800	12300	12300	36400	12000
10900	15900	10200	1430	17800	12300	13500	10900	35200	12200
10500	13800	9780	1310	18000	11400	14800	10500	34000	12200
8760	13200	9300	1210	18300	11300	15900	10900	33000	13200
7990	16000	9120	1180	19600	11100	16300	11500	33800	13200
7700	13800	9930	1120	19400	9490	16000	11700	34600	14200
7180	11800	11300	1070	18100	8620	15500	11600	35000	19000
7210	11000	11400	1020	17200	7880	15200	10700	34200	21100
7750	9950	11000	950	15700	6880	15800	10100	34000	19800
8170	9170	9040	922	14000	6480	16100	10200	33000	17400
7990	8590	7960	894	14300	6540	16400	9760	32700	16000
7260	7950	7030	852	15900	6860	16700	9250	33000	15000
6790	7330	6770	831	17200	7200	16200	8950	33600	14000
6550	6670	8640	810	18000	7100	14900	8710	33200	13300
6220	6460	8680	824	17600	6400	13900	8260	33300	12400
6220	5790	7490	880	15600	5600	15800	7960	33200	12100
5960	5810	7010	908	13800	5300	13500	7240	31500	11900
6070	6100	6450	943	15200	4800	14000	6100	30300	11600
6440	6180	6290	936	14600	4300	14700	5380	29800	12100
8570	6400	5380	1440	13500	4000	13700	4290	28700	12700
7850	6180	4990	1680	14400	3570	12500	4250	27300	12600
7420	6190	5580	1500	15300	3180	11600	3950	25800	12400
5960	7040	5650	1200	15400	2780	9980	3470	24700	12600
5080	7780	5280	1040	14900	2570	8790	3060	25800	13100
4740	8570	4750	1120	13900	2500	7890	2800	25100	15700
4560	7870	4310	1900	14500	2470	6710	2610	23800	17900
4380	6840	3840	4490	14600	2330	5840	2640	23900	16400
4020	6100	3550	4030	15200	2130	4940	2440	24300	15300
3470	6070	3360	3050	14500	2040	4600	2230	22400	13600
2790	5540	2960	2180	13100	1910	4430	2140	20100	12700
2410	5260	2710	1670	12500	1660	4690	1950	16900	13300
2280	5250	2480	1430	11400	1380	4280	1690	15000	14000
2310	4990	2260	1250	10800	1230	4140	1520	14200	13300
2240	4270	2250	1010	10100	1200	4010	1510	14000	13100
1860	3510	2170	873	9340	1140	3900	1430	13900	13800
1640	3370	1890	752	8470	1030	3790	1400	13900	14600
1460	2810	1860	686	7720	974	3560	1340	14900	15600
1250	2750	1650	693	7120	905	3530	1550	14900	16300
1100	2360	1590	654	6760	800	3690	1620	14500	15000
1070	2270	1540	628	6360	744	3740	1520	14200	12800
1060	2210	1480	585	5600	730	3510	1450	13300	11500
981	2000	1430	519	4910	724	3260	1350	13700	10300
1040	2220	1380	435	4460	672	2770	1260	14100	9170
1040	1990	1320	393	4080	611	2280	987	12200	8740
960	1790	1260	364	4020	534	1980	945	11300	8580
918	1760	1210	353	3640	480	1990	994	11000	7600
890	1640	1150	320	3190	449	1770	973	11000	7200

862	1350	1100	292	3190	396	1740	903	11400	6580
792	1140	1040	260	3030	352	1570	903	10300	6480
736	1090	980	270	2790	374	1430	924	9490	6080
722	1110	930	282	2720	365	1340	756	9880	5680
694	912	802	276	2590	324	1220	704	10200	5360
666	869	738	336	2330	282	1080	680	9610	4990
680	792	682	314	2020	279	973	579	9000	4390
645	744	661	287	1850	258	875	520	8180	3850
631	673	640	314	1860	238	827	504	7960	3600
631	543	614	304	1720	272	775	494	7920	3610
631	655	588	292	1490	261	723	494	7500	3290
631	679	568	292	1370	251	650	474	7090	2810
624	679	568	250	1210	244	590	414	6450	2530
624	679	530	230	1160	229	530	369	5660	2420
586	679	510	188	1090	261	504	434	4930	2380
580	643	536	170	986	210	489	394	4680	2170
580	494	601	174	937	187	489	379	4900	1830
562	565	620	188	895	193	474	404	4750	1740
538	577	582	197	797	190	464	419	4140	1610
478	577	562	230	727	190	414	464	3930	1540
454	543	562	292	624	196	384	469	3660	1550
430	583	556	250	570	178	364	489	3370	1450
442	637	588	158	540	176	359	489	3020	1340
436	526	562	158	504	162	349	414	2720	1270
408	583	523	287	486	168	374	359	2550	1190
419	560	523	405	470	146	419	324	2100	1100
408	571	530	381	470	152	449	329	2090	1050
375	560	542	399	465	165	449	300	2030	1060
348	526	594	381	400	176	444	291	2060	1010
331	532	601	287	362	173	439	286	1940	966
336	400	549	260	330	181	434	281	1920	952
364	494	530	348	312	184	434	281	1970	917
370	560	497	387	312	154	429	286	2070	931
375	499	471	447	308	139	409	252	2090	938
375	488	433	459	281	162	409	257	1940	959
353	526	409	435	250	162	359	262	1760	994
309	526	385	381	254	154	339	252	1560	1020
282	380	374	364	263	139	329	248	1510	1020
276	433	363	417	268	142	315	248	1470	1020
255	472	358	441	286	132	262	229	1420	1040
230	499	363	417	299	129	238	214	1380	1090
230	494	380	411	299	136	267	238	1370	1080
215	499	380	405	272	132	281	252	1360	1060
200	450	385	331	245	139	286	267	1340	1080
205	365	409	304	237	146	291	252	1320	1090
195	406	391	423	245	142	286	238	1280	1060
185	466	439	447	245	142	272	296	1280	1060
175	472	516	501	272	146	272	296	1300	1080
165	438	542	519	272	136	276	281	1290	1080
160	390	556	501	245	139	272	267	1250	1080
165	400	542	417	241	146	272	248	1220	1080
165	365	556	519	237	152	291	229	1240	1060
160	380	620	537	233	144	276	224	1220	1040
156	433	661	543	237	144	262	224	1250	1030
147	510	640	435	245	157	252	238	1260	1050

156	510	588	393	237	167	233	329	1260	1080
190	482	568	298	237	167	252	434	1350	1070
170	450	542	230	237	157	267	474	1390	1110
170	350	523	225	254	154	272	469	1380	1140
170	385	497	326	263	157	315	584	1360	1150
156	422	549	292	308	173	344	632	1350	1200
170	438	549	309	308	176	414	614	1380	1280
165	438	661	309	263	186	349	602	1350	1380
180	406	745	304	268	200	300	620	1370	1390
185	406	627	260	268	193	281	794	1380	1390
240	330	556	245	276	196	281	801	1320	1360
225	320	549	314	281	200	272	834	1280	1320
220	296	752	375	254	183	233	945	1300	1300
205	365	745	342	254	211	200	1240	1350	1330
205	450	675	326	286	249	200	1430	1390	1350
215	477	614	331	290	278	262	1420	1470	1350
230	510	594	326	308	301	454	1310	1540	1380
265	438	568	309	326	340	730	1110	1550	1360
245	504	601	353	344	390	1070	1120	1580	1360
245	631	717	417	312	501	1080	1340	1670	1400
240	667	788	501	294	501	1470	1440	1790	1320
276	673	773	561	299	501	1570	1660	1860	1480
276	692	724	859	344	495	1750	1750	1880	1620
314	799	752	950	380	501	1780	1550	1930	1800
673	757	788	1030	420	525	1860	1480	1940	1940
757	744	1020	1080	666	549	1850	1480	1980	2190
694	920	1100	936	832	579	1720	1620	1990	2290
841	1100	1110	838	965	543	1800	1800	2060	2470
869	1220	1260	866	1190	645	1840	1960	2190	2610
869	1340	1280	790	1420	699	1580	1940	2270	2700
911	1520	1230	752	1500	627	1630	1700	2330	2860
939	1400	1180	971	1620	699	1580	1420	2340	2880
918	1390	1170	1200	1690	669	1390	1520	2490	2890
904	1590	1240	1220	1560	603	1380	1960	2540	2890
960	1620	1300	1080	1560	573	1540	2200	2560	2910
1040	1720	1300	1060	1640	531	1480	2140	2570	2980
1040	1750	1160	1070	1680	687	1520	2160	2610	2970
1050	1770	1150	915	1760	687	1620	1890	2610	2960

1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
2980	1990	1320	2630	2600	2090	1590	1210	472	1380
2920	2100	1190	2610	2670	1850	1550	1220	478	1390
2970	2180	954	2590	2790	1850	1560	1240	466	1430
2990	2180	828	2570	2780	2190	1550	1230	582	1490
3030	2210	858	2550	2850	2240	1540	1120	622	1370
3030	2230	864	2560	2890	2190	1510	1040	648	1230
3020	2290	1150	2650	3170	1750	1480	1050	715	1230
2970	2440	996	2770	3070	1950	1470	1090	660	1170
3030	2560	1140	2880	2960	2020	1490	1090	563	1170
2990	2490	989	2910	2930	2020	1510	1060	520	1110
3040	2410	940	2880	2850	2060	1520	1060	538	1110
3150	2430	1440	2970	2720	2060	1510	1030	570	7490
3010	2490	1530	3150	2700	2080	1440	911	596	69300
3030	2450	1520	2920	3160	2160	1360	903	687	240000
3080	2420	1520	2740	4820	2260	1400	865	641	143000
3040	2410	1330	2630	4510	2260	1380	778	602	67100
3030	2560	1360	2580	4090	2170	1350	757	582	38800
3060	2750	1310	2630	3670	2090	1400	736	743	23600
3350	2750	1220	2740	3520	2150	1420	722	743	15200
3560	2790	1180	2760	3470	2190	1490	694	622	11200
3100	2820	1260	2770	3450	2230	1490	687	628	9420
3040	2770	1270	2760	3380	2150	1460	680	674	8940
2940	2730	1260	2860	3450	2060	1420	667	674	7960
2860	2720	1190	2850	3690	1950	1420	667	667	7430
2810	2630	1070	3050	4020	1840	1400	660	641	7540
2820	2570	1140	3030	4470	1810	1380	778	634	7600
2770	2540	1340	3140	4160	1830	1400	865	694	7010
2730	2470	1570	3430	4100	1890	1400	943	785	6980
2680	2510	1570	3310	3790	1910	1380	935	778	6740
2580	2550	1540	3270	3640	2020	1350	959	799	6390
2620	2540	1300	6760	3500	2160	1470	1060	764	6210
2710	2550	1190	7160	999999	2010	1380	1110	715	6260
2660	2570	1460	5320	3510	2180	1360	1060	743	6000
2770	2560	1580	4560	3440	2170	1370	1070	951	6050
2650	2550	1660	4390	3290	2100	1240	1060	1220	5930
2690	2550	1610	4130	3220	2100	1220	1060	1040	5860
2710	2550	1500	3880	3210	2120	1230	943	835	5900
2860	2570	1230	3970	3150	2210	1230	927	828	5770
2910	2660	1180	4300	3080	2230	1220	943	872	5590
2840	2880	1480	4360	3120	2390	1230	1090	888	5380
2840	3410	1480	4360	3130	2500	1250	1190	935	5200
2930	3400	1440	4300	3170	2620	1220	1190	903	5870
3520	3340	1390	4250	3210	2860	1220	1340	927	5660
3530	3940	1350	4250	3240	2770	1250	1780	911	5280
4380	3830	1480	4160	3360	2670	1270	2670	951	5000
6610	3910	1920	4160	3200	3050	1300	3310	1100	5090
5760	7760	2190	4100	3000	3270	1360	3180	1060	5100
4710	8240	2300	3860	2860	3180	1440	3080	1030	4990
4640	6280	2760	3700	5340	3060	1660	3040	1100	4950
4650	4790	3040	3480	4590	3090	1710	3570	1110	4790
4830	4290	2950	3420	4240	3160	1710	3940	1110	4760
4890	4120	2650	3400	4030	3150	1740	3440	1170	4680
4690	4060	4790	3370	3870	3180	1740	3210	1220	4410

4890	3980	4170	3370	3770	3160	1760	3100	1560	4640
5520	3940	3290	3340	3680	3170	1760	3000	1410	4640
5580	3910	3010	3130	3610	3170	1760	2960	1380	4640
5650	3910	2800	2810	3580	3160	1690	4860	1750	4580
5200	3900	2690	2660	3570	3040	1590	7310	2110	6160
4750	3900	2550	2620	3520	3040	1580	5410	2080	9240
4850	3880	2290	2670	3500	3080	1540	4510	2080	6640
4480	3870	2400	2710	3480	3050	1550	3980	2370	6580
4420	3950	3000	2730	3470	3040	1570	3880	4580	6500
4440	4150	3600	2750	3460	3040	1570	5670	7430	6400
4570	5570	3200	2490	3500	3040	1590	9400	8640	18000
5140	6820	2800	2720	3540	3020	1580	8400	6900	26900
6130	6010	2900	2860	3530	2970	1540	6820	5270	19500
4850	5930	9000	3080	3500	2960	1520	5140	4090	13900
4610	9830	11000	3180	3530	2940	1530	4290	3280	11300
5470	8670	6700	2930	3400	2940	1540	3910	2970	10000
5410	6970	5440	2840	3470	2930	1560	3760	2880	8480
5400	12700	5280	2630	3470	3020	1550	3740	2820	7530
5180	10100	4620	2610	3460	2920	1510	3790	2760	6630
5100	7310	3630	2890	3500	2920	1360	3800	2770	6630
4730	5970	3480	2900	3500	2870	1380	3780	2760	5770
4070	5380	3620	2940	3500	2800	1360	3670	2820	5490
4130	5660	3660	2920	3500	2900	1340	3640	2790	5770
4040	5280	3600	2900	3590	2920	1380	3670	2790	16300
3780	5030	3780	2900	4940	2900	1460	4020	2700	29700
3740	4780	5480	2890	15000	2860	1530	5630	2680	31800
3620	4430	15000	2910	18100	2790	1490	5880	2660	29400
3260	4250	72200	3120	17700	2820	1450	5280	2470	20700
3180	4150	104000	3150	12200	2240	1420	4810	3380	16500
3950	4160	154000	2940	11000	1940	1420	4480	4860	14100
3970	4150	313000	2890	13400	2570	1440	4360	3750	11900
3650	4080	109000	2700	13800	2940	1540	4290	3060	10500
3610	3910	54400	2650	11000	2930	1970	4220	2650	9280
3190	3880	51300	2610	9170	3020	2670	4160	2400	7680
3140	3810	60100	2670	7780	3340	1830	4060	2310	6780
3120	3730	58900	2620	6900	4160	1300	3870	2250	6480
3040	3740	48900	2510	6640	3800	1290	3380	2380	6780
3260	3810	38500	2600	6890	3330	1720	3220	2920	6190
3340	3740	31600	2630	7880	2970	1840	3150	2840	6190
3240	8390	28300	2900	7570	3330	1930	3100	2880	6190
2920	11400	26800	2880	7080	3340	1890	3020	2540	6190
2860	9560	26600	2720	7000	3320	1820	2960	2230	6050
2980	6780	24900	2900	8600	3280	1790	2890	2150	6050
2930	5870	25400	2850	8010	3320	1770	2860	2150	6050
3040	4920	26400	2560	7170	3800	1750	2800	2230	6050
3020	4060	24700	2400	6350	5030	1890	2780	2310	5630
3370	3730	27700	2650	5780	4540	1990	2770	2310	5490
2790	3370	29500	2890	5540	5300	2920	2760	2420	5490
2730	3730	25800	3210	5310	13900	3280	2740	2350	5220
2620	5100	25400	3000	5630	13800	3340	2780	2300	5220
2460	4570	24000	2960	8440	12700	4140	2820	2290	5220
2430	3970	24200	4010	9780	24400	3770	2820	2340	4310
2220	3910	37400	6570	9320	24600	2820	2790	2240	4190
2370	3820	83600	5560	9560	17900	2820	2760	2140	4700
2360	5240	106000	4590	9110	14100	2900	2710	2160	4700

13000	6560	79200	4180	8720	11200	2410	2670	2150	4440
19100	6710	50000	4000	8150	8890	2210	2660	2120	4310
11900	10900	37400	3890	7530	7280	2380	2640	2160	4310
7600	9670	33800	4390	6780	6500	2800	2650	8090	4190
5520	7020	34600	5980	6280	5870	2430	2640	8430	4070
4880	5410	36700	4910	6020	5490	2680	2590	4860	4190
6680	4410	38700	4270	5470	5190	3450	2540	3910	4440
23300	3970	42200	3980	5250	5060	3180	2510	3280	4440
22600	3730	42900	3740	5350	5690	3590	2480	2970	4190
13900	3570	50800	3730	8940	7630	6230	2530	2900	4190
10700	3400	49900	3690	14900	7740	7810	2610	2780	3960
9600	3280	41300	3450	26300	7170	6350	2620	2700	3970
9020	3330	33600	3380	18000	7940	5940	2670	2620	4070
8860	3220	29700	3410	13000	7520	4850	2910	2600	5020
8650	3260	26900	3400	14000	7460	4140	4900	2840	34200
8500	3740	25000	3380	37000	7390	3980	15400	3140	200000
8280	4600	22000	3430	27000	7260	6580	14100	3090	179000
8640	4130	19600	3530	17000	6640	10300	13700	3100	101000
8400	3650	17900	3320	18000	5670	7970	12000	2900	65400
7890	3350	16900	3190	33000	5080	7330	10000	2710	49000
7670	3200	16100	3060	27000	4850	8770	7200	3080	41300
7490	2940	15100	3150	30000	4760	8210	6000	3400	31400
7290	2890	14500	3270	28000	4670	51400	5200	4650	25200
6620	2820	13800	3950	25000	4640	120000	5200	10900	22200
6150	2780	13400	3770	34000	4780	65400	15200	50800	19700
5750	2810	13200	3430	32000	10900	41600	17800	70600	18100
7760	2880	13300	3460	30000	10700	29100	19000	43300	17000
16400	2840	13200	3520	27000	8300	22100	16000	38000	19300
34300	2690	12900	3730	52000	6420	17300	12000	52200	25200
33500	2790	12500	4030	51000	5790	13300	10000	53000	21900
22900	3060	11900	4210	38000	8290	10300	9500	60000	19000
18700	3250	11100	4460	40000	44000	7970	9000	46000	16800
28100	3980	10600	4050	47000	44000	6520	7400	38500	15200
31900	4680	9870	4550	41000	45000	6250	6400	26500	13700
23000	4220	12100	4840	36000	31000	5730	6200	19100	12700
19100	3990	25500	5300	55000	23000	5140	5800	17500	11300
16900	3950	29900	6750	52000	19000	4990	5600	15300	10500
15000	3790	55000	9270	40000	16000	4850	5400	13100	9460
13600	3630	67500	21000	32000	13000	4820	5200	10900	9280
12500	3600	53300	65800	28000	11500	4990	5000	9850	9120
12200	3530	45200	80200	55000	10500	5100	4800	9200	8640
11500	4970	38100	68200	100000	9600	5070	4620	8600	8160
11900	7340	32800	54000	75000	9400	4720	4530	8200	8160
999999	999999	30000	37300	55000	9500	4530	4230	8300	7840
11500	4810	28300	26400	38000	9600	4510	4090	11500	7680
10700	4150	26300	22100	32000	10400	4540	3840	17500	7380
9990	3800	25100	24300	27000	11000	4220	3740	12400	7080
9650	3550	24600	27000	23000	10200	4340	3810	10900	7230
9220	3510	24000	38100	21000	9210	7670	3780	14500	7380
9160	3380	23400	38000	18000	10200	21900	4230	24000	7230
9170	3160	21400	31900	17000	10100	26000	4010	17000	7080
8900	3110	19500	27800	16000	10200	38900	3990	13800	6930
16200	3350	17800	26600	15000	10500	41400	4650	12800	6780
51800	4180	16700	23000	14000	10200	30900	4640	11900	6330
78000	6340	16100	20500	13000	9920	24700	4440	10700	6480

58000	6120	15700	21200	12000	9830	20500	4360	10000	6190
31200	5960	15200	19300	11500	9990	21600	4300	9600	6050
23900	5890	14800	17400	13000	9830	22400	5660	9300	6190
19700	5920	14700	18200	15000	9430	18900	10800	9000	6930
18500	5590	14200	17300	19000	9090	15800	10700	8800	7380
21000	4890	14200	15700	17000	9070	13600	11800	8600	6930
20000	4400	14700	14300	15000	9030	12700	10500	8700	6630
17100	4390	15900	13100	14000	8820	12400	9850	8760	6480
19300	4250	17100	12300	13000	8430	12000	10600	9000	6480
18100	3840	18000	12000	18000	8370	12100	10100	9100	6780
16200	3960	18500	11200	40000	8890	12000	10000	11700	7530
14600	3600	19000	10500	46000	9830	12300	12400	10200	10900
13600	3550	19700	9960	39000	9480	12300	14800	9340	9460
13700	3420	20600	9630	41000	8670	12200	14400	9020	8320
12900	3770	21700	9320	36000	9300	12800	13200	9440	8000
12100	3970	22700	9150	30000	9070	13000	13000	10100	26200
12000	4340	21700	9210	25000	8940	16600	11700	10900	36700
12000	5830	18800	9870	23000	8510	17400	10200	11500	29700
13100	9260	18200	10700	22000	10200	14800	9360	11700	21700
14000	8950	18100	10800	46000	10000	17900	9080	12100	20900
12800	7230	18200	10100	37000	9610	17900	8920	12700	17600
12100	6510	17600	9300	56000	9830	15300	9240	13200	15700
11800	6190	16800	9080	66000	10000	14000	10500	13600	14100
13300	5240	15900	8960	66500	10300	13400	11800	14800	13300
20100	4720	15400	8840	54000	10600	13100	11100	16100	26500
38700	4290	15500	8680	35000	10600	12800	10100	16900	60000
38900	4030	15800	8360	35500	10300	12800	9420	17700	76500
31900	3670	16400	8220	33000	8820	13500	8430	18600	60000
26500	3790	16900	7890	30000	7380	13800	8000	19400	48300
22600	4250	17500	7830	27000	6960	13300	7560	18600	40800
20300	4650	19200	7540	26000	7060	12600	6960	17300	34500
18900	4880	19400	7280	26000	6790	11800	7250	17200	29400
18500	4660	18600	7530	27000	6470	10400	7060	18200	32200
19000	4150	17600	12100	29000	6020	9070	6110	19300	56100
19900	3510	17100	11100	30000	5570	8810	5760	20600	60000
19500	2930	16700	9150	31000	5100	8240	5580	19200	47600
19500	2840	16600	10600	32000	4760	7400	5970	17700	39000
20200	3730	16400	11400	32000	4430	6460	5930	16500	34100
20600	4470	16100	10200	33000	4290	6370	5100	16300	33700
20500	4130	16400	9210	33300	4120	7020	4290	14300	29700
20500	5070	17500	8700	33400	4010	6640	4270	12500	26000
20100	8670	18500	8900	34200	3920	6420	5170	12500	23500
19800	10200	19100	8840	35000	3890	6250	5000	13300	22500
19500	8300	19700	8080	32900	3960	5910	4270	13900	21200
19000	7890	20000	7650	29800	4500	5700	3940	13700	20200
20600	8160	19900	6870	27700	6470	5160	3810	12200	19300
18100	8380	21700	6580	26200	5900	5300	3810	12900	18100
22600	7200	20000	6380	25200	4970	7420	3840	14600	17900
27600	6900	18100	6540	24600	4680	6530	4120	11800	19300
22900	6770	16800	6920	24000	4620	5660	4340	10200	21400
19200	6830	16200	7580	24000	4790	5100	4670	9690	22700
16300	6660	16500	9880	23800	4840	4970	4720	9870	23000
14200	6620	17900	9240	24400	4600	5380	4220	10700	23500
13200	6690	20200	8520	24800	4250	5510	4060	11800	24600
12400	6990	31500	8700	25700	4040	5520	3700	12400	26000

12800	7710	31900	9150	27500	3840	5240	4010	12900	26300
13100	10000	29000	8700	28200	3700	4990	4010	12500	26300
13600	11800	26400	8550	27500	3660	5440	3550	13000	26600
13900	14200	23800	8820	27000	3780	6560	3640	13200	24300
13900	14700	21900	7760	27700	3840	6330	5420	12400	22700
11700	13700	20800	6830	28600	3780	6320	5910	10800	22500
11200	13200	20600	6340	29300	3900	6500	5620	10100	20200
10800	13000	19300	6230	28800	4180	6840	5380	9210	17400
10000	12700	17500	6400	26400	4130	6300	5170	8560	16500
9370	11000	16300	5960	25000	3890	5380	4890	8120	16300
9000	8820	15900	5440	24800	3580	5210	5130	8440	17000
8500	7470	16900	6620	26100	3390	4990	5130	8210	18500
8560	6860	18700	32900	27600	3100	4740	5280	7850	19700
8400	7040	19100	43300	29000	2550	4470	5720	7790	20700
8630	8260	19400	33900	29800	2380	4060	5860	7070	22200
8220	9120	20900	27700	29200	2210	3840	5410	6320	21400
7070	9650	22700	24300	28500	2160	4500	5130	6580	20500
6060	9630	23900	21200	28500	2390	3870	4850	7560	18800
4460	9500	25400	18100	29100	2490	4110	4410	6880	17200
4350	9170	24000	15700	28600	2500	5240	4190	6120	16800
4940	7490	22100	14000	27600	2390	4960	4110	5700	16100
4680	6400	20800	13800	26600	2380	5020	3440	5560	15000
4160	6260	20100	13600	25000	2480	5320	3070	5980	17000
3840	6300	18600	12600	23200	2290	5460	3010	7120	16500
3420	6670	17400	11900	21700	2000	5380	3040	7700	14100
3010	6480	17300	11100	20000	1700	5030	3410	7550	12900
2790	6280	17600	11100	19600	1500	4950	3920	7430	11300
2630	4790	16400	10800	18600	1350	5520	4220	7580	10000
2670	3980	16400	9720	20400	1300	5600	4060	7620	8480
2450	3960	16800	8960	20800	1220	5520	3660	6560	7080
3300	4290	16600	8800	17100	1120	4890	3190	5490	6780
3120	5020	14300	8290	16500	1100	4200	2960	4720	6330
3190	4770	12800	7290	15700	1050	3670	2650	4860	5910
2980	4240	12300	6890	14700	980	3540	2340	4900	5350
3160	4040	12000	6610	14800	880	3180	2060	4920	5090
3800	3910	11600	6320	14400	800	2960	1810	5370	5090
3610	3380	11600	5950	13700	720	2600	1620	5140	4700
3500	2960	11500	5440	13500	670	2490	1630	4790	4190
3540	2610	10600	5030	15400	640	2490	1670	4690	3930
3640	2500	10200	4600	17100	630	2310	1570	5170	3910
3460	2380	9950	4240	16900	560	2120	1470	5520	4570
3210	2470	9330	3860	16500	510	1760	1340	5070	4700
3100	1980	9140	3490	16600	460	1750	1230	5090	4700
2970	1690	8790	3350	16200	435	1760	951	4830	4440
2720	1410	8820	3180	15600	430	1750	799	4270	3880
2450	1190	9000	2830	15000	405	1690	757	4090	3590
2140	1020	8400	2650	13300	405	1560	750	4020	3370
1900	850	7780	2650	12800	362	1470	660	3570	3370
1760	730	7780	2480	12000	318	1410	622	2140	3550
1560	715	7650	2270	11100	287	1320	563	1710	3440
1440	646	7530	2200	10300	272	1250	550	1630	3230
1480	472	6760	2080	8780	269	1220	526	2840	2890
1440	490	6210	1850	7300	272	1180	570	2710	2770
1370	493	5770	1720	6700	287	1140	701	1860	2690
1290	496	5610	1690	5630	266	1120	750	1530	2730

1170	496	5360	1610	5250	248	1080	750	1430	2630
1150	521	5180	1490	4790	281	1030	722	1370	2410
1170	514	4680	1290	4370	485	975	687	1220	2340
1400	493	4470	1190	4420	592	951	667	1160	2290
1350	521	4010	1180	4250	668	903	667	1210	2190
1260	500	3420	1130	3940	710	888	680	1160	2090
1150	476	3020	1090	3460	634	872	715	943	2070
1090	479	2830	1000	3150	628	799	729	806	2090
1060	472	2710	912	3170	616	736	722	764	1960
1060	458	2610	800	2980	515	729	722	641	1940
1020	448	2360	793	2570	465	743	708	660	1870
1040	451	2170	800	2320	490	778	654	622	1750
1070	440	1980	842	2150	586	785	602	608	1630
1040	414	1850	737	1980	610	778	563	589	1630
1000	417	1750	653	1990	616	771	544	576	1540
982	404	1710	646	2010	520	757	532	563	1430
961	386	1690	674	1950	450	757	538	538	1440
926	383	1650	730	1960	415	764	570	687	1460
919	374	1660	688	1930	400	813	563	582	1220
919	404	1630	646	1930	415	743	570	514	1220
891	398	1510	667	1960	420	701	608	680	1290
864	386	1400	730	1940	395	647	660	1060	1300
818	386	1230	744	1940	410	654	654	694	1270
824	392	1180	744	1840	405	634	622	674	1250
824	392	1160	863	1800	346	680	622	1220	1280
805	392	1390	919	1800	342	778	589	1170	1290
805	398	1490	905	1770	380	764	563	654	1230
792	374	1500	891	1790	370	820	563	628	958
766	368	1530	891	1840	334	806	556	967	828
753	392	1530	891	1810	350	757	514	654	750
753	389	1590	898	1820	257	722	502	602	650
753	392	1570	779	1770	239	722	508	911	550
753	386	1530	667	1760	212	820	496	654	450
753	395	1520	639	1750	212	828	490	911	450
779	392	1480	604	1740	230	820	484	641	450
779	398	1460	674	1720	227	842	484	991	500
766	398	1520	639	1650	215	828	502	680	510
766	380	1560	674	1570	236	835	563	715	510
772	374	1520	625	1530	239	850	608	1090	510
792	404	1440	674	1550	200	850	628	888	510
864	424	1330	702	1570	196	835	660	1230	500
898	389	1330	786	1540	198	835	608	1390	500
884	374	1400	807	1400	196	785	634	1280	500
857	368	1400	765	1280	186	785	660	865	500
844	348	1410	674	1100	196	806	701	842	506
926	338	1350	625	1100	190	785	708	927	472
919	332	1330	632	1140	196	750	708	701	420
933	330	1380	674	1060	218	628	736	596	420
947	322	1390	660	1050	245	667	708	694	440
989	340	1360	681	1110	260	563	694	1070	450
968	365	1430	695	1160	257	556	694	1070	489
968	362	1500	674	1180	251	550	764	991	516
975	365	1500	625	1140	263	563	778	799	622
961	374	1490	583	1110	287	634	785	701	628
968	392	1500	583	1130	306	680	771	750	572

982	368	1510	527	1080	325	715	750	806	555
1000	351	1530	514	1070	320	778	750	828	550
1070	338	1520	520	1220	305	764	778	835	550
1210	351	1540	688	1240	295	764	858	872	538
1350	368	1550	800	1200	290	799	872	872	528
1360	380	1540	730	1260	285	895	750	911	528
1400	398	1530	646	1500	280	919	667	927	522
1390	411	1550	681	1660	330	850	654	927	544
1310	420	1550	730	1710	370	820	622	999	544
1240	411	1620	723	1820	430	806	538	1070	550
1160	417	1710	786	1910	475	800	442	1110	550
1210	479	1740	898	1960	485	810	380	1180	478
1310	486	1770	964	1990	495	820	326	1160	450
1380	472	1780	912	2140	510	830	280	1040	450
1360	468	1830	1020	2190	520	860	250	975	456
1220	451	1880	1280	2280	532	880	300	935	511
1140	430	2020	1480	2300	538	950	350	799	782
1120	404	2160	1320	2160	556	1000	400	828	909
1150	392	2200	1240	2160	568	1100	450	1070	923
1200	420	2270	1370	2320	580	1130	478	1330	1160
1280	437	2350	1730	2480	586	1130	526	1510	1540
1310	521	2390	1870	2570	586	1090	466	1580	1860
1360	786	2460	2090	2480	568	1080	520	1580	1860
1370	1000	2520	2200	2610	580	1140	622	1600	1830
1380	1140	2590	2410	2450	703	1190	757	1570	1710
1420	1120	2600	2500	2490	1390	1140	865	1640	1760
1480	1140	2650	2540	2560	2430	1120	806	1610	1990
1520	1060	2810	2550	2260	1900	1120	785	1620	2140
1580	982	3020	2500	2280	1500	1090	828	1700	2150
1610	968	3100	2430	2500	1390	1070	842	1620	2130
1700	1140	3090	2400	2510	1540	1090	842	1660	2120
1810	1120	3050	2330	2470	1570	1170	835	1700	1810
1770	1040	2930	2220	2580	1570	1190	806	1370	1610
1820	996	2740	2150	2500	1510	1200	660	1160	1720
1870	816	2710	2250	2300	1480	1220	520	1130	1610
1920	740	2700	3150	2270	1510	1220	496	1220	1390
1980	740	2680	2790	2250	1620	1240	460	1470	1380
1970	870	2660	2600	2140	1590	1220	472	1380	1330

1964	1965	1966	1967	1968	1969	1970	1971	1972	1973
1330	2560	2970	1060	1980	1100	3950	5490	5710	6090
1270	2570	3100	942	1700	1070	3720	5570	5750	6030
1230	2580	3030	950	2680	1020	3630	5420	5610	6000
1150	2610	2970	958	3580	1050	3560	5510	5490	5970
1260	2620	2930	982	3350	1070	3490	5510	5460	5960
1430	2600	3030	942	3140	1070	3460	5520	5460	5950
1600	2600	3120	809	3140	1040	3430	5530	5430	5990
1550	2600	3110	823	3200	1020	3420	5500	5430	5980
1410	2600	3220	854	3040	1040	3390	5510	5400	5950
1450	2600	3250	862	2920	1030	3400	5520	5330	5950
1710	2610	3240	862	2840	1030	3350	5520	5290	6060
2760	2600	3130	926	2590	1130	3350	5520	5270	6160
3580	2600	2860	846	2410	1350	3510	5530	5260	6170
3210	2570	2820	753	2320	1400	3330	5540	5090	6150
2960	2580	2850	767	2730	1400	3370	5520	5190	6130
2720	2630	3170	788	2720	1640	3590	5530	4790	6110
2640	2610	3480	802	2660	1850	3620	5530	4820	6080
2360	2610	3640	846	2720	1850	3520	5500	4820	6060
2030	2600	3700	830	2590	1820	3460	5500	4840	6040
2040	2570	3700	823	2610	1800	3440	5520	4880	6030
1940	2550	3780	767	2570	1790	3460	5610	4870	6040
1880	2610	3720	690	2380	1770	3460	5620	4870	6030
1840	2570	3650	606	2280	1770	3450	5650	4890	6000
2320	2580	3510	606	2380	1780	3430	5710	4870	5970
1990	2600	3580	606	2510	1770	3430	5730	4840	5950
1760	2600	3540	578	2590	1740	3420	5760	4870	5970
1730	2610	3610	571	2640	1720	3410	5770	4900	5990
1670	2600	3640	560	2700	1700	3450	5780	4940	6020
1630	2720	3670	680	2410	1710	3430	5780	4930	6030
1580	2890	3720	720	2260	1880	3420	5700	4870	5940
1580	3070	3710	750	2310	1880	3430	5760	4810	5920
1600	2820	3810	790	2810	1760	3390	5730	4730	5950
1620	2840	3890	910	2940	1760	3340	5740	4730	5650
1790	3630	3940	966	3180	2000	3310	5860	4810	5390
1920	3440	4020	1130	3120	2320	3390	5860	4900	5280
2710	3020	3950	1130	2920	2200	3520	6200	4960	5220
4730	2630	3840	1140	2570	2100	3620	6320	4990	5160
7560	2510	3770	1520	2720	2010	3710	6690	4970	5120
4860	2200	3890	1980	2980	1930	3940	6760	4920	5140
4090	2100	3880	1760	2430	1910	3870	6700	5100	5180
4470	3450	3650	1660	2030	1900	3830	6670	5180	5260
4340	4650	3610	1610	1960	1890	3590	6410	5290	5420
3650	3030	3690	1620	1900	2020	3680	6410	5380	5750
3070	3710	3810	1700	2140	2000	3730	6120	5440	5730
3030	3360	4250	1760	2460	1890	3600	6250	5390	5790
9020	3770	5060	1760	2200	2020	3550	6220	5270	6550
16400	4090	5230	3020	1900	2110	3580	6180	5330	7260
9060	3950	4960	7920	1800	1980	3890	6210	5780	7900
6480	3850	6200	4490	1730	1930	3950	6190	6210	8350
5630	3790	10300	3100	1740	1990	3960	6180	6660	7880
6480	3640	8510	5030	1770	2010	3960	6210	7060	6630
8640	3540	7540	14700	1760	1950	3970	5700	7120	5920
7680	3590	6800	13200	1710	1900	3950	6180	7140	5790

6930	3580	6270	10500	1690	1890	3940	6230	7380	5680
11300	3600	6360	7290	1660	1850	3940	6100	7350	5550
13300	3630	8100	5620	1750	1840	3980	5940	7390	5480
6780	3760	7780	4200	1840	1810	3920	6050	7300	5420
5770	3890	6740	3360	1840	1790	3870	5730	7420	5390
5770	4070	5840	3120	1860	1790	3850	5780	7410	5330
5630	4310	5270	5320	1880	1780	3870	7740	7450	5300
5630	4570	5000	20800	1900	1790	3840	10600	7510	5280
5770	4440	4900	16100	1880	1800	3830	10900	7510	5250
5490	4700	4700	18200	1800	1820	3960	14000	7420	5220
5350	5910	4600	32400	1760	1820	4060	15700	7450	5130
5090	5490	4600	31100	1850	1810	4070	21000	7500	5170
4960	4830	4600	29000	2030	1800	4040	28300	7330	5160
4960	4570	4500	39000	2070	1780	4010	20000	7310	5210
4830	4310	4500	37000	1890	1800	3990	16700	7410	5320
4700	4250	4400	23000	2010	1800	4280	16100	7360	5510
4570	4190	4400	16000	1880	1800	4450	15800	7360	5760
4830	4130	4400	14000	1780	1830	4440	14800	7360	5800
4570	4260	4500	13000	1740	2130	4770	15200	7650	5750
4440	6480	4600	12000	1700	2260	5270	14800	7640	5730
4440	5770	4600	11000	1660	2210	5800	14100	7790	5330
4440	5090	4600	10000	1640	2430	6630	14200	7820	5250
4440	5090	4500	9400	1630	3390	6940	14400	7890	5240
4440	5090	4500	9000	1640	4150	7030	14300	7860	5300
4310	4830	4400	8000	1630	3200	6740	15700	7850	6140
4440	4640	4400	7800	1680	2840	6260	15600	7810	8880
4310	4670	4300	7400	1680	3500	6260	14700	7690	10100
4310	6320	4300	7300	1660	3160	7070	13100	7660	10900
4440	16400	4200	7700	1640	2560	9630	12500	7790	9260
4570	96600	4200	8100	1640	2490	11000	13000	8020	8520
4190	261000	4200	8000	1610	2520	8240	13900	8810	7570
4310	233000	4400	7700	1560	2620	17800	14000	8660	7120
4310	194000	4700	7500	1540	5400	39600	13100	11200	7120
4440	137000	6000	6700	1550	9160	39200	12000	11800	7020
4440	127000	5200	6400	1560	6170	32800	11500	10500	7120
4440	104000	5000	6300	1540	4550	28200	11800	10500	7070
4440	70000	7200	6450	1500	4320	25300	12400	10000	6940
4440	53700	8960	6400	1540	3600	24500	14600	9650	6740
4440	41900	7280	6130	1520	3330	23500	13700	9130	6590
4440	32800	6600	5890	1510	3200	19200	12800	8290	6460
4440	26300	6000	6100	1510	2970	16800	12300	7510	6540
4440	25300	5500	5830	1500	2650	15200	13300	6710	6820
4310	41000	6500	5720	1490	2720	14900	12700	6350	7330
3900	54700	12700	5960	1480	2710	13400	12200	6230	8110
3930	87800	22200	5760	1500	2720	8850	11200	6120	8260
4000	106000	15900	5720	1590	2700	6510	10900	6080	8940
3950	79500	12000	5750	1610	2680	6270	10600	6030	10400
3520	56900	10000	5730	1640	2620	6350	10100	5970	12700
3340	42300	9200	5700	1780	2590	8000	9980	5970	18800
3140	34500	8400	5600	2220	2700	11900	10500	6020	20200
3040	31400	7800	5510	2120	5580	14600	14100	5820	39100
2930	29000	7480	5350	1810	14600	16800	15100	5630	59200
2990	26000	6800	5490	1800	35400	33400	15900	5570	41900
3100	24900	6300	5590	2130	20500	62200	15800	5550	29700
2960	23500	6000	5460	3250	11000	78200	17100	5640	28000

2890	21900	5800	5280	2980	8320	109000	18800	5700	72000
3150	20900	5600	5080	2810	5130	110000	18300	5810	68000
3910	20500	5500	4900	3200	14700	97600	17300	5760	69000
5550	20000	5400	4740	2850	48200	94200	20000	5770	58000
21900	19500	5300	14600	2590	74700	94200	20900	5720	39000
32700	19000	5300	72500	2400	82800	138000	20900	5150	27500
23200	18300	5200	76100	2330	80700	121000	20000	5130	20000
14200	28300	5200	45000	2330	70000	131000	17200	5800	16800
10200	40400	5100	35000	2330	67000	138000	16100	5170	16400
8000	33800	5100	31000	2350	72500	130000	14900	4960	16600
8000	27500	5100	28000	2270	79500	122000	14000	5060	15800
8200	24000	4900	32700	2200	71600	118000	13300	5820	14800
7900	21200	4500	51700	2210	65000	101000	12500	6990	14300
7600	20000	6630	82200	3800	59300	96200	11400	6370	16700
7230	19000	10400	93200	7700	55200	79600	10300	5840	18100
6480	19000	6810	90200	5600	48800	59900	9060	7370	17100
6330	19000	8720	72300	4550	31700	45000	8380	8420	16400
6190	18500	7600	37200	6800	25000	36700	7860	6930	16000
6050	17900	6420	30000	5700	21900	26300	7730	5500	18900
5630	17400	6420	23000	4700	23200	19900	7630	5050	19900
5490	20000	8140	20000	4200	27700	20100	7680	6280	18500
5490	20700	9460	17500	4100	26600	17300	7640	6600	20600
5220	18800	8900	15300	4050	23900	14300	7350	5950	21100
5090	17200	8340	15000	4220	23800	14000	6900	10900	19300
4830	15900	6920	14000	4460	27200	13800	6810	13800	23900
4830	14300	5910	13400	4800	28200	12900	6730	9720	33000
4960	13100	5300	13200	4360	39200	14500	6660	5420	31000
4830	12900	5200	13000	4020	44600	15800	6800	5080	28100
4830	12700	5100	13300	6410	41400	22800	6810	4940	23900
4570	13300	5000	13300	4660	41700	24400	6940	4860	25400
4700	13700	4900	12500	3800	53100	20800	7120	4580	21900
4700	13500	4800	12000	4250	47300	24400	6930	4690	20000
4310	13500	4700	11700	11100	42000	26800	6270	4660	18700
4310	13100	5000	11300	11100	39000	22800	6050	4380	18100
4190	12500	5400	11000	20900	32400	20100	6010	4020	17600
4190	12700	5200	10900	30900	27300	18600	5800	3930	14600
4310	12700	5100	10700	33000	26400	18500	5640	3910	13400
4070	12500	5600	10400	24000	26300	18500	5190	4420	12800
3940	12500	6290	10200	20400	28200	18800	4820	6210	11800
4000	12100	6740	10200	18000	32500	20500	4710	9790	11100
3850	11300	7300	10200	13500	32800	16700	4300	13300	10200
3780	11300	7240	9620	11200	28100	15000	4160	13400	14200
3570	13100	6010	9200	10600	26600	15200	4120	11100	38000
3790	13100	6060	9100	9400	36100	17000	4040	9510	35000
3640	11900	5710	9240	8300	33200	25700	3790	9550	31000
3670	11100	5550	9140	7300	29100	24400	3690	8510	26700
4070	10400	5370	9080	6500	23600	23300	3730	5930	28500
3810	9640	5270	8580	6100	20200	23500	3730	4490	27700
3540	9460	5210	8060	5800	17200	21600	3720	4180	24900
3630	9460	5210	7780	5500	16300	20000	3740	4140	27100
3720	9120	5410	7800	5200	15100	23000	3770	3910	26000
3240	9120	5730	7700	5300	14700	25000	4420	3860	24700
3080	8640	6220	7570	5600	14800	24800	5490	3860	22100
3250	8480	8730	8560	5300	13600	25300	6680	3960	19400
3240	8480	9700	11400	5000	11800	23600	7940	3970	16800

3550	9280	9810	13800	4900	11100	23200	13000	4020	13800
4570	9280	12900	13900	5810	10200	20800	16900	3760	11500
4190	8960	14200	11900	8740	9400	19500	17900	3500	9410
3590	8640	13400	15600	9070	9140	18700	17700	3440	7890
3510	8480	12400	50400	8550	9660	15900	17500	3800	8750
3580	8480	10500	63400	11900	10500	14600	17100	4370	8610
3660	8480	9500	55200	12000	10900	13700	16800	3860	8510
3600	8000	9080	48000	10300	11900	12700	16200	3470	8790
3840	8000	8620	38200	8090	13600	9280	15800	3200	9480
3960	8000	8200	31500	6600	15700	8400	15600	3090	14100
3900	8320	7850	28700	5850	16400	7890	15400	3160	16900
4570	8960	7510	30000	5490	16200	7730	16100	3210	13400
5090	9460	7310	28600	5260	13200	7340	17200	3780	10600
5090	9460	7470	24800	5120	10300	6900	27900	4180	10000
4570	10400	7880	21400	5110	9360	5350	43800	4070	9030
4190	11500	8590	18500	4940	9550	4810	40100	4130	7870
4190	12300	9380	17000	4620	9730	4740	35900	4060	7640
4190	11300	10400	15900	4520	9980	5260	33500	4140	7440
4830	10900	11700	16300	4690	10400	5810	30700	4080	7530
5220	10900	12500	20100	4920	11700	5430	24800	3350	8140
6480	11200	13400	18700	5030	12200	4680	21300	2830	7600
8960	11100	14300	16800	5220	13700	4580	19700	2440	7330
8960	10900	13800	15500	5090	19000	4470	14700	2230	7040
8000	10800	12800	14700	4760	23200	4350	11500	2170	6880
7230	10600	12200	17100	4510	26900	4220	12100	1950	6840
6780	10800	12200	27700	4420	26900	4020	12600	2210	6590
6780	10600	12100	25300	4310	25900	3880	14000	2300	6370
6190	12000	11900	19500	4130	26200	3760	14600	2250	6250
6050	17700	13000	17800	4040	25900	3670	14900	2260	5290
6480	16800	17800	18200	4040	23500	3630	15300	2230	5000
6780	14100	17900	19000	4120	22600	3450	14500	2300	4790
7230	13400	16500	16500	3900	22600	3340	14300	2540	4740
7230	13900	13600	15900	3910	22300	3240	13500	3130	4740
6480	14700	11900	15400	3760	22100	2930	13900	3320	4960
6630	19400	11100	14800	3600	21700	2920	14500	2900	5950
7080	38500	10800	13800	3390	20200	2880	14500	2650	6110
7530	34700	11200	17700	3120	19900	2760	14400	2540	5930
7380	28800	10800	18000	2960	19400	2590	14100	2380	6500
6330	32600	9310	17800	2740	19400	2490	14200	2160	6820
5220	34600	8110	16500	2610	18700	2450	13800	1990	6820
4830	39800	7200	15600	2470	18400	2430	12700	1910	6650
4700	36400	6740	15000	2420	18100	2450	11500	1790	6300
4700	31100	6520	16000	2380	19000	2430	10400	2460	6360
4440	28000	6570	18200	2560	18300	2340	9820	2590	6260
3790	26900	6790	16300	2560	21100	2310	9740	2570	6140
3430	27400	7110	15800	2610	22300	2350	9690	2630	6090
3170	27000	6730	16000	2700	22100	2740	9350	2620	6010
3420	25900	6260	14400	2830	21600	4350	9020	2550	5740
4170	25400	6010	14000	2860	20500	4410	8550	2730	4960
4830	25000	5790	13700	3030	19400	4600	8500	3550	4830
5220	22500	5680	13300	3520	18200	4650	8290	3550	4720
5770	20100	5620	12900	3730	14100	4510	8280	3440	4730
5090	17800	5730	13000	3910	10700	4680	8410	2940	4730
4960	15900	5980	13300	4760	10300	4680	8600	2520	4730
4390	14900	6440	14500	5200	10100	4760	8600	2620	4590

4440	13300	6650	15500	5270	10100	4880	8500	3550	4590
4570	11700	6600	16900	4830	10300	3740	8500	3640	4040
4250	10600	6670	19900	4160	10400	3030	8720	3730	3630
4440	10200	6800	23500	3850	10800	3130	8920	3470	3460
4700	10300	7640	25500	3370	11400	4530	9740	2790	3420
5090	10900	7910	23100	2730	12200	5120	9850	2490	3420
5630	11500	7190	20600	2550	12600	5300	9800	2320	3320
6190	12200	6630	18500	2550	12900	5280	9780	2310	2890
6930	12500	6260	17800	3280	18900	5350	9690	2320	2860
6930	12800	5900	19300	4090	21200	5250	9620	2320	2690
6630	13100	5320	22500	2890	21200	5110	9690	2320	2630
6630	14100	5040	25300	3160	21800	4600	9760	2190	2630
7230	14100	4720	27000	3780	22500	3850	9130	2090	2780
6930	13800	4440	28000	4020	22500	3900	8140	2080	3320
6780	13700	4340	29800	4040	22000	3630	7560	2030	3610
6780	13000	4180	32500	3640	21800	3610	7020	2110	3820
6050	11600	3920	34500	3070	21300	3500	6750	2180	6780
5350	10300	3550	35800	3920	18700	3370	6580	2260	6990
5090	9910	2900	37400	4090	17000	3310	6460	2280	5990
4700	9380	2400	37100	4170	16100	3210	6420	2240	5080
4700	9310	2200	35400	4220	14400	2730	7020	2150	4530
5090	9550	2200	32600	4380	13700	2350	8360	2110	4510
4830	10100	1900	30300	4300	12800	2270	11300	2100	4490
4700	10300	1600	27900	4290	11900	2650	13200	2080	4420
4140	9900	1300	25000	3970	11800	3570	13800	1990	4390
3910	9680	1100	23000	3780	11400	3480	13900	1930	4250
3770	9320	1060	19400	3560	11500	2220	14400	2050	3790
3580	9290	1000	18200	3380	10300	1920	14500	2320	3560
3430	9130	920	17400	3240	8340	2400	14000	2640	3450
3200	9390	880	17500	3000	7220	2750	13900	3130	3400
2840	9430	860	18500	2960	6550	2700	13700	3360	3380
2730	9670	840	19500	2730	6140	2550	13600	3510	3370
2770	9030	820	19500	2420	5300	2500	13000	3600	3350
3370	8500	840	19300	1970	4470	2500	12000	3670	3370
4080	7940	760	19400	1870	4050	2500	11100	3740	3350
4480	7940	700	19300	1830	3600	2600	10800	3830	3370
4070	8180	650	18900	1740	3170	2800	10800	3890	3380
3660	7470	600	19700	1400	2770	2750	10400	3910	3390
3170	6600	528	20200	1280	2880	2740	10400	3900	3390
2910	6190	616	19200	1240	2810	2720	10500	3930	3270
2610	5980	566	19100	1230	2860	2700	10500	3920	2950
2480	5460	445	19500	1280	3060	2690	10300	3920	2930
2340	5720	385	20300	1380	3100	2680	10200	3980	2940
2100	6250	375	20800	1290	2730	2660	10300	4000	2940
1900	5460	395	20900	1240	2420	2650	8880	3940	2930
1680	4800	365	19500	1280	2470	2620	8560	4080	2910
1620	5190	350	18200	1460	2690	2580	8360	3680	2900
1530	5370	335	17800	1450	2610	2560	8360	3400	2900
1350	5290	286	15900	1640	2370	2540	8510	3560	3080
1280	5050	218	14500	1700	2100	2520	8630	3750	3260
1560	4950	210	14300	1600	1990	2500	8360	3860	3330
1540	4210	187	14300	1270	1510	2470	10400	3900	3370
1530	3770	156	13300	1030	1480	2430	11200	3940	3380
1320	3600	120	12400	846	1500	2400	9780	4100	3370
1270	3830	112	11800	802	1460	2370	9370	4280	3370

1270	3760	104	11400	795	1400	2330	9130	4410	3400
1470	3520	264	11100	802	1360	2290	8630	4490	3400
1360	3410	400	10500	606	1310	2220	8480	4530	3390
1480	3440	445	9600	444	1310	2200	8560	4540	3370
1390	3240	472	8160	396	1310	2180	8280	4420	3370
1480	2910	472	7200	432	1400	2130	8120	3660	3310
1900	2760	538	6850	408	2130	2070	8070	3460	3300
1290	2690	533	6160	348	2160	2050	7650	3460	3310
1040	2570	495	4840	324	2140	2040	7200	3440	3290
909	2360	522	4490	312	2300	2040	7150	3410	3290
814	2270	572	4410	290	2450	2040	7150	3400	3300
800	2200	572	4440	275	2410	2020	7170	3440	3330
600	2070	572	4310	312	2430	2010	7150	3520	3400
500	1970	588	4140	330	2490	1980	7150	3090	3450
600	2060	594	4020	330	2520	1940	7170	3040	3470
743	1990	594	3580	396	2540	1980	7190	3090	3510
736	1790	622	3200	360	2530	2040	7200	3190	3740
706	1700	646	3050	300	2490	2080	7190	3280	4530
688	1670	628	3450	312	2460	2080	7240	3350	4980
712	1600	610	3100	285	2460	2100	7220	3540	4990
724	1790	594	3200	280	2550	2610	7240	3670	5010
664	1740	588	2700	270	2550	2870	7490	3780	5010
588	1610	572	2100	285	2490	2890	7410	4240	5000
516	1600	528	1900	275	3210	2860	6930	4620	4990
484	1610	528	1800	230	3770	2880	6130	4830	4990
500	1460	533	2500	230	4020	2930	7310	4990	5030
500	1270	522	2410	230	4040	3000	7290	5100	5050
500	1310	500	2250	240	4100	3030	7290	4970	5070
450	1290	516	2190	230	4130	3220	7260	4640	4530
450	1260	555	1910	235	4140	3400	7260	4500	4410
400	1260	610	1620	255	4220	3510	7190	4530	4710
400	1310	694	1570	235	4220	3650	7220	4530	4890
400	1350	694	1890	250	4210	3860	7240	4560	5510
400	1280	688	1730	285	4200	4100	7190	4800	6190
450	1310	599	1690	285	4180	4360	7190	5010	6510
500	1280	566	1600	280	4670	4720	7170	4920	6330
500	1290	566	1580	300	5540	4900	7190	4230	6220
500	1270	566	1310	306	5730	5020	7200	4140	6210
500	1470	533	1250	265	6100	5040	7200	4070	6180
500	1500	538	1290	240	6450	5080	7240	4220	5900
500	1430	572	1270	270	6080	5160	7240	4480	5770
500	1520	588	1180	280	5740	5230	7440	4960	5760
500	1900	622	1330	290	6270	5370	7950	5260	5700
500	2380	628	1470	285	6620	5450	8620	5480	5690
538	2520	676	1450	312	6630	5460	9170	5620	5640
538	2290	724	1440	312	6650	5590	9550	5720	5340
572	2000	750	1490	324	6640	5650	9800	5840	5250
622	1900	700	1490	342	6610	5630	9940	5930	5140
652	1860	544	1640	372	6660	5580	9890	5980	4910
658	1860	445	1700	360	6730	5580	8670	6010	4830
652	1910	405	1800	414	6780	5560	10100	6050	4850
622	1880	350	1880	529	6810	5600	10200	6010	4960
676	1850	315	1910	676	6860	5840	10200	5980	4730
700	1790	286	1780	711	6910	5940	10200	6020	4520
664	1760	259	1850	732	6940	6030	10200	6330	4480

694	1730	218	1770	753	6950	6240	10200	6570	4420
712	1710	250	1580	739	7030	6440	10200	6100	4400
750	1710	272	1630	711	7070	6570	10200	6000	4380
814	1710	282	1710	781	7070	6600	10300	6110	4370
814	1680	335	1850	894	7090	6550	10200	6110	4400
881	1660	360	2050	870	7110	6570	10200	6270	4410
888	1600	385	2060	823	7120	6420	10200	6210	4370
795	1640	467	2090	781	7130	5900	10200	6190	4420
860	1670	511	2070	788	7130	6500	10300	6190	4440
958	1680	484	2190	809	7150	6530	10300	6170	4420
1020	1740	599	2180	816	7190	6590	10300	6140	4580
1130	1810	572	2080	809	7210	6650	10300	6120	4700
1150	1820	528	2050	795	7260	6680	10200	6150	4800
1200	1920	604	2000	816	7220	6700	10200	6260	4890
1200	2010	688	2060	854	7220	6690	10300	6460	4950
1210	2230	724	2160	910	7180	7230	10400	6500	4960
1310	2290	730	2020	942	7110	7910	10500	6490	4950
1310	2260	712	2150	998	7080	7860	9980	6470	4980
1390	2270	756	2120	1010	7070	7830	9640	6450	5040
1350	2330	718	2060	1020	7060	7780	9800	6520	5100
1350	2290	694	2080	1100	7070	7700	11300	6610	5180
1400	2110	724	2140	1100	7050	7630	12300	6640	5230
1410	2160	881	2220	1090	7070	7600	13300	6640	5230
1390	2140	1000	2340	1070	7030	7460	12700	6630	5240
1310	2320	1040	2510	1130	7030	7300	11100	6310	5270
1310	2720	1100	2610	1110	7070	7290	9960	6160	5280
1300	2870	1110	2550	1030	7020	7290	9690	5200	5240
1330	2850	1100	2480	1010	6970	7090	9730	4100	5320
1320	2700	1090	2660	1020	6940	5570	9790	4000	5360
1220	2870	1120	2670	1040	6970	5270	9530	4000	5440
1080	2940	1180	2560	1040	6930	5250	9000	4400	5410
1820	2920	1210	2550	1040	6880	5190	8630	5500	5420
2130	3000	1220	2670	1030	6900	5260	8200	5850	5400
2160	2860	1200	2680	1050	6860	5560	7780	5950	5410
2310	2560	1130	2700	1050	6360	5580	7350	6050	5190
2420	2520	1090	2760	1070	5540	5440	6910	6160	5020
2490	2650	1060	2410	1050	4740	4730	6550	6180	4950
2550	2970	1060	1980	1060	3950	5490	5710	6140	4940

1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
4940	8350	5810	3330	748	5160	4120	5020	1830	9840
4920	8400	5890	3090	847	5060	4120	5090	1850	8980
4930	8390	5970	3160	990	4620	4010	5160	2360	8820
4920	8420	5980	3130	1010	3890	3980	5150	2580	8590
4920	8420	5910	3080	1040	3800	4030	5130	2660	7830
4900	8320	5860	3020	1080	3790	4160	5110	2800	7820
4970	8290	5610	2990	1090	3790	3970	5090	3210	7810
5080	8340	4860	2970	1100	3770	3950	5050	3940	7780
5120	8460	5880	2820	1140	3790	3960	5060	4020	7960
5080	8540	6130	2640	1150	3810	3970	4420	3320	8600
5080	8520	6050	2490	1130	3830	3970	3510	3230	8540
5070	8490	5770	2390	1170	3920	3890	3490	2800	7600
5100	8410	5590	2370	1180	3820	3840	3470	2520	6650
5170	8350	5570	2340	1140	3740	4150	3460	2250	5690
5130	8420	5590	2310	1140	3720	3830	3630	1940	4720
4950	8410	5660	2270	1140	3670	3520	2790	1870	3890
5350	8340	5680	2170	1150	3450	3370	1970	1860	3620
5390	8280	5720	2160	1150	3300	3350	1850	1820	3920
5420	8250	5680	2140	1180	3290	3420	1830	1770	4280
5450	8180	5640	2330	1190	3250	3450	1820	1780	4320
5450	8040	5670	2610	1210	3210	3300	1910	1780	4350
5470	8160	5690	2760	1210	3200	3440	1980	1790	4510
5730	8150	5690	2860	1210	3200	3510	1970	1790	4410
5880	7460	5670	2850	1210	3210	3490	2020	1780	4240
5840	5980	5680	2880	1190	3170	3780	2140	1780	4370
5710	4600	5760	2900	1150	3460	4290	2220	1780	5010
5670	4390	5870	2870	1140	3260	3880	2220	1790	5020
5640	4530	5890	2860	1130	3190	3660	2220	1950	4670
5620	4540	5810	2850	1120	3280	3550	2240	2380	4480
5570	4460	6050	2750	1180	3250	3430	2200	2720	4780
5620	4510	6120	2650	1220	3250	3370	2180	2130	4840
5580	4500	5980	2640	1210	3320	3340	2170	1910	4750
5580	4340	5820	2610	1220	3320	3340	2140	1840	4970
5550	4230	5790	2470	1200	3280	3430	2140	1810	5330
5500	4210	5850	2360	1190	3270	3580	2250	1840	5490
5450	4200	5910	2320	1240	3260	3590	2220	1850	5520
5570	4220	5960	2340	1260	3260	3530	2220	1850	5480
5730	4260	5900	2330	1250	3320	3470	2230	1840	5410
6470	4480	5800	2300	1210	3360	3450	2260	1820	5400
6260	4420	5850	2320	1210	3410	3450	2250	1810	5450
6380	4330	5850	2320	1200	3400	3480	2250	1810	5470
8420	4280	5810	2330	1170	3390	3500	2250	1850	5490
21900	4280	5760	2340	1190	3420	3490	2250	2040	5170
27300	4290	5750	2340	1190	3490	3490	2230	2870	5130
25500	5280	5720	2390	1210	3490	3450	2220	7980	5020
23700	7900	5790	2430	1220	3480	3420	2220	5410	4990
23300	8300	6100	2390	1230	3490	3440	2210	5600	4950
26700	8340	6790	2380	1230	3450	3610	2220	10800	5180
46300	8500	6720	2380	1280	3480	3720	2220	3840	6690
50300	8910	6700	2370	1240	3500	3690	2240	3090	21800
39100	9150	6840	2370	1220	3730	3580	2240	3450	17300
34100	9540	7090	2340	1270	4050	3500	2240	13100	14000
32200	11500	8540	2340	1470	4410	3490	2280	10900	12800

30700	12400	10000	2350	1460	4570	3550	2280	28700	13000
29800	12700	11100	2340	1330	4210	3560	2260	67600	13700
29600	13200	11800	2340	1280	3910	3550	2240	49200	13100
29000	13500	11900	2320	1250	3730	3690	2270	41700	11200
25200	14000	12200	2240	1230	3630	4070	2270	37500	10700
20500	14200	12200	2160	1240	3730	4050	2250	31100	10600
19100	14200	12200	2180	1240	3700	3990	2230	22400	13200
18800	14200	12300	2180	1260	3690	3960	2260	21000	20800
29400	14200	12300	2200	1240	3680	3930	2270	20600	33600
39900	14200	12300	2200	1230	3670	3920	2290	20100	21800
25700	14400	12200	2190	1230	3650	3990	2610	20000	17000
22000	14600	12100	2190	1230	3630	4350	5600	20100	16500
20900	14800	12300	2120	1220	3690	4430	5000	20000	15800
20200	15200	12400	2070	1230	3620	4420	4550	20000	15800
19900	14800	12200	2070	1230	3640	4410	4260	17900	15300
19900	14000	11100	2100	1210	3640	4370	4070	17000	15000
19900	13900	10800	2140	1210	3660	4360	3900	17100	15200
19800	13300	10100	2060	1240	3640	4400	3810	17800	14100
19200	10900	9980	2060	1230	3640	4380	3520	14800	11700
18300	8900	10000	2060	1270	3660	4360	3130	11700	10700
17500	8330	10100	2070	1260	3650	4380	2960	11600	10600
16400	7740	10000	2080	1280	3750	4420	2930	11500	10800
14500	6740	9900	2100	1710	3730	4700	2910	11300	10700
14000	6560	9610	2100	2400	3650	4730	2910	11000	10600
13800	6570	9490	2100	2180	3700	4720	2890	10700	10300
13500	6550	9450	2100	2140	3810	4730	2920	13900	10700
13900	6510	9370	2100	2540	3870	4770	2940	61600	10700
13700	6430	9340	2090	2050	3810	4800	2930	148000	9820
13900	6470	9190	2070	1820	3900	4960	2930	95500	18400
17100	6470	8190	2090	1730	3910	5010	3050	68200	59800
16700	6330	7360	2090	2310	3910	4900	3030	57100	58000
15100	6310	7260	2080	4430	3860	5390	3040	45500	53700
14200	6340	7240	2050	3350	3780	10500	3010	35400	38000
13800	6290	7170	2050	2270	3770	10900	2970	26600	30900
16800	6350	7210	2030	1790	3750	7200	2970	25900	21500
23500	6990	7030	1960	2640	3750	6450	2960	25500	20300
29000	7480	6020	1820	3650	3790	6320	2930	44600	19100
35600	7240	5240	1690	4080	3830	6100	2930	59700	16700
25400	6940	5000	1650	3380	3700	6850	2870	62500	14400
22500	6730	4990	1610	2400	3660	8700	2700	67400	13500
21200	6500	4940	1690	2000	3660	8360	2590	56400	13300
20800	6460	4800	2020	1880	3690	6780	2570	37500	13200
21100	6450	4710	2140	2040	3720	7180	2590	49500	13200
21000	6370	4690	1930	5130	3690	7400	2600	58200	13100
19700	6490	4710	1810	23600	3650	7100	2600	37000	13200
18900	7430	4460	1700	12600	3620	6980	2640	30400	13000
19500	8160	4370	1680	5830	3730	7000	2620	27100	12200
20000	8910	4470	1630	3160	4620	7270	2620	25300	11100
18000	8190	4570	1600	6810	4670	9180	2610	23300	10100
17200	7730	4490	1580	4100	6380	9000	2590	22800	9940
17900	7290	4430	1560	2900	13300	19100	2600	22300	9820
19500	6720	4410	1540	3420	8540	48900	2610	21800	9710
19500	6370	4020	1520	7850	6810	101000	2630	20600	9660
30700	5490	3690	1520	16200	9290	109000	2650	17000	9570
49100	5170	3550	1500	22600	12100	111000	2540	16800	9620

54000	4960	3440	1490	33500	12200	111000	2410	16700	9640
61000	4930	3260	1510	22000	10400	98900	2350	16600	9750
70000	4800	3160	1540	14500	8060	84800	2360	15100	12800
80000	4750	3170	1530	11700	6650	72400	2490	15900	14000
78000	4920	3160	1530	9650	5820	41500	2540	17400	11900
74000	5030	3130	1530	6560	5210	25000	2500	16000	11300
60000	5000	3050	1540	5310	4970	23700	2800	15400	20200
54000	4920	2890	1650	6890	4780	22600	4600	15300	23700
47000	4860	2610	1730	6530	4660	21500	4300	15200	42100
40000	4840	2520	1750	6960	4450	20400	3100	18500	29300
32000	4770	2520	1720	5120	4350	19300	2700	19900	30000
28000	4710	2520	1670	4210	4220	18200	17500	20700	57500
25000	4450	2610	1650	4170	4140	17200	12800	18500	49800
24000	4190	2280	1600	4600	4090	16200	16300	16000	52300
22900	4230	2560	1570	5460	4050	15300	7200	15200	44700
22000	5540	2630	1570	5070	4050	14300	4150	14800	27100
21500	13100	2600	1520	4870	4050	13200	3260	14400	24100
21000	16500	2590	1520	4780	3990	12400	3240	14400	21400
20500	11400	3020	1480	4690	3960	12100	3390	13900	18000
19500	9130	3120	1490	4720	3940	11000	3330	13800	17200
18500	6240	3250	1490	5210	3940	10100	3460	13800	15700
17500	4930	3250	1460	7000	3940	8690	3600	13700	21700
16500	4790	3090	1490	13000	3910	7930	3080	13500	37000
15500	8320	3080	1540	12000	3920	7740	2820	13200	61400
15000	10900	3060	1480	11000	3900	7520	2770	12300	51800
14500	7550	3060	1490	10000	3880	7300	2790	12000	46300
14000	5480	3060	1480	9800	3900	7310	2760	11800	41400
13600	24300	3030	1480	11700	4040	7130	2750	13200	61300
13300	26200	3200	1440	11000	8960	7150	2830	19900	62900
13300	12900	3230	1420	9400	11400	8860	3800	74300	54100
13200	7690	3220	1420	8300	7140	15900	3820	107000	46800
13100	5800	3420	1420	7500	7420	29400	3000	93700	43400
12200	5500	3490	1410	7000	6250	46300	3140	76400	34600
12900	5000	3420	1370	6900	11300	64800	3350	56100	33200
15700	5300	3460	1390	6800	10100	90600	3660	40800	31300
14700	5200	3340	1520	6800	13800	93000	4090	34800	25700
14300	5000	3180	1650	6500	21300	94000	4640	33400	24600
13900	4800	3170	1710	6200	26000	78000	4420	32200	23900
13300	4700	3190	1700	6500	27200	64800	4410	30900	23400
14000	4600	3150	1600	5800	23800	53500	4550	29700	23000
14000	4350	3160	1570	5600	21400	41500	4880	28800	26100
13900	4250	2960	1540	5600	18100	35400	4970	26700	30400
13700	4150	2650	1520	6010	12000	30000	4970	26200	38600
17700	3900	2500	1490	6320	19700	31600	4940	28200	45200
45100	3800	3460	1480	6050	25300	30000	4810	32100	90200
48900	4000	3940	1510	14200	14500	27300	4560	29700	95400
34500	4100	4160	1470	15600	14200	24000	4400	26500	84100
26000	4500	3220	1420	23700	13500	25900	6200	24300	76300
22000	4700	2860	1420	27000	12700	25100	8400	23600	58800
21000	5300	2650	1390	28700	12300	26000	5800	23100	51700
25000	7600	2490	1380	25900	10600	28800	5180	22100	55500
23000	9300	2380	1350	25100	9610	26400	4990	20800	53700
22500	7000	2310	1250	25500	9440	23900	4610	21100	50000
22000	6300	2260	1200	24700	8390	22800	3940	27300	47500
21700	5500	2220	1220	24200	7190	21800	3620	26600	44700

23600	6000	2180	1220	23700	5890	21000	3390	24200	57400
22600	6400	2170	1180	23200	5150	20200	3400	24900	112000
21900	7400	2160	1160	22800	4940	19400	3440	26800	103000
21800	7100	2150	1250	22700	5370	18800	3790	25500	92200
22000	6900	2120	1230	22100	6960	17500	4090	25300	88300
21700	7600	2080	1090	19700	8820	16300	4310	25700	90700
21100	9600	2050	1030	17400	9320	15200	5340	26500	67200
20700	9300	2090	1030	15100	8860	14900	11200	24500	47900
20500	10800	2050	1020	13400	7700	14900	12700	23300	37800
20400	12300	2020	985	13500	6600	13900	12000	22600	39200
20600	11700	2000	951	12400	5560	13000	10000	20000	42100
20800	9620	2160	967	11600	4820	12100	8500	17800	42200
21100	16600	2220	1020	11600	4460	11300	7500	17300	45700
21800	21200	2090	1010	11700	4380	10500	12500	16700	41200
21900	13800	1960	974	11700	5040	9480	12700	14500	37100
26000	10800	1950	994	12400	9590	9300	8600	13400	39200
30700	9630	1920	902	12200	9200	9130	7500	14400	36000
50800	8800	1950	901	12100	6390	8960	6600	19700	32200
83600	7710	2140	971	12200	5590	8860	7100	62800	27300
91500	6620	2710	1170	12500	5340	8720	9700	39100	28600
105000	6600	3010	1100	12900	5140	8520	9100	41600	28500
96000	6600	3590	1030	12900	4850	8110	7900	76300	30000
87000	6900	3700	1020	12500	4570	7920	6300	51600	28800
75000	7400	3640	975	12900	4300	7930	5100	37700	27100
65000	8200	3670	946	13500	4070	8070	4200	32900	25700
60300	7860	3720	1010	17700	3860	8310	3700	30100	24000
55000	7570	3680	1300	14700	3620	8140	3500	28300	23000
48900	7100	4040	1470	13300	3440	7780	3300	27400	22700
42700	6800	4250	1710	12900	3180	7510	3240	28600	22500
30900	6450	4170	1740	12300	2990	7190	3190	95600	22300
23100	6200	4110	1720	12000	2950	6820	3000	102000	22000
21100	6180	4040	1700	11900	2900	6540	2820	102000	21800
20700	6200	3560	2160	11900	2830	6270	2630	91000	21900
20600	6220	2720	2210	11900	2770	6200	2440	82700	21700
20500	6230	2530	2690	12800	2760	6110	2220	71900	21800
20600	6180	2490	2710	12600	2740	6000	2040	60700	22400
20600	6000	2490	2720	11700	2820	5910	2090	49700	22000
20800	6040	2510	2690	11300	2910	5960	2740	37900	21800
20700	6040	2440	2560	11200	2710	5750	3010	31500	22300
20800	6060	2400	2400	11600	2390	5480	2970	28800	23100
20900	6100	2410	2420	11600	2350	5430	2890	27200	23000
20800	6500	2420	2610	11400	2740	5400	2850	27000	22700
19300	6860	2790	2850	11100	3450	5370	2800	25900	23500
17300	7840	3250	3010	12200	3620	5330	2770	25700	26500
15800	8180	3230	3030	18900	3460	5190	2730	25300	28400
15400	8320	3250	3010	16600	3550	5060	2680	24900	24500
14800	9130	2940	2980	13600	4110	4950	2640	24800	24000
13200	10400	2650	2990	13000	3670	4920	2780	24600	31200
12300	10500	2680	3020	13400	3060	4840	2780	23400	35600
11900	10200	2670	3140	13600	2930	4760	2670	22300	33500
11400	9800	2430	3040	13500	2780	4780	2550	21000	29900
11200	10500	2140	2440	14100	2470	4790	2510	21700	27100
11000	11100	1950	1720	13600	2280	4770	2540	21100	26000
10800	11300	1820	1380	13600	2130	4670	2480	20600	25600
9860	11600	1710	1100	13400	2340	4050	2490	20000	26300

9480	11100	1620	939	12300	2610	3240	3130	20400	29400
9340	10900	1530	854	11200	3200	3080	4160	20000	28400
9290	10800	1400	857	10800	4100	3020	4420	19000	26500
9240	11100	1300	884	9980	4300	3390	4360	18800	25100
9340	11200	1250	939	8500	4220	3900	4320	18100	24800
11000	11300	1270	1000	7700	4030	4310	4400	17600	24600
11600	12100	1290	929	7250	3960	4060	4440	15300	24900
12100	12300	1340	846	6920	3880	3770	4470	13000	25000
12000	11900	1360	869	6620	3850	3630	4460	12100	24700
11600	11600	1330	894	6450	3790	3990	4410	11300	24300
10200	11300	1220	804	6120	4280	3820	4420	11100	24000
11200	11000	1270	709	6090	4440	3870	4580	12300	20200
11600	10500	1580	728	6060	4420	3890	4580	12800	20000
11700	10200	1320	721	5910	4350	3940	3900	12900	19600
11800	9530	1340	738	5260	4350	4220	3580	12800	19200
10900	7280	1290	692	5200	5400	4290	3250	13000	18200
8420	6760	1320	733	5060	6060	5060	3040	14300	18100
7410	5100	1360	695	4930	6440	5190	2860	13600	18300
7650	4400	1330	666	4250	7170	5230	2740	15000	16600
7770	4600	1350	699	3140	5880	4670	2640	17600	14700
7610	4800	1350	745	3910	4470	3580	2620	17800	14700
7530	5200	1320	743	3140	4240	4550	2480	17300	16700
7130	5500	1330	720	2880	4010	4740	2350	15200	17600
9180	6000	1290	714	3170	3840	3970	2120	14500	17600
8870	6400	1320	649	3070	3580	3780	1940	13100	17500
8850	6280	1690	589	2570	3140	3770	1840	12700	17500
8950	6400	1620	832	2460	2920	3770	1790	12600	18300
8690	6580	1410	1310	2460	2870	3840	1740	10500	20000
9100	7000	1260	1370	2450	2890	3740	1700	9230	22200
9130	7500	1200	1430	2500	2830	3750	1690	8050	22700
8620	10400	1230	1450	3220	2940	3850	1860	6990	23800
8390	11800	1510	1320	3530	3030	3900	1660	7230	24500
8090	12800	1730	1100	3630	3210	4530	1940	8950	23500
7820	13400	1980	1010	3310	2990	5410	2410	8660	23100
7840	13800	1950	1040	3430	2980	6030	2470	7710	22900
7760	13600	1810	1070	3510	3030	6300	2480	7990	22800
7810	12600	1610	1150	3520	3400	7000	2460	8960	24100
7470	11500	1460	1150	3410	3720	8130	2290	9250	23800
7760	10700	1330	1090	3250	3740	8840	1810	8710	21200
9250	9930	1280	1060	3290	3920	8950	1980	9140	20500
10600	9450	1210	1050	3320	3590	8220	1830	9070	20600
8760	9170	1170	1060	3220	3460	8340	1630	8960	19400
7040	7460	1100	1150	3220	3470	8850	1490	8970	19000
7680	6580	1100	1170	3110	3490	9020	1620	8650	19100
8720	6130	1330	1180	2790	3470	8830	1630	8620	18700
8480	5110	1900	1190	2690	4190	8800	1490	8580	16100
8260	4450	1990	1130	2670	4520	8180	1460	8360	14200
8140	4310	2020	1100	2760	4570	7920	1570	8010	13400
7320	3770	2010	1110	2840	4690	7970	2130	7930	14500
6210	3930	2100	1250	2880	4740	8550	2280	7240	15300
5310	4940	2340	1540	2890	4720	8700	2300	7160	14400
4820	4620	2440	1590	2920	5110	8550	2290	7240	15100
4750	3580	2590	1590	2920	5530	8180	2300	7200	15200
5990	3200	2740	1510	2860	5600	7860	2360	7190	14400
5420	3490	2720	1580	2810	5770	7720	2550	6780	13600

4290	3610	2800	1900	2800	6100	7100	3160	6510	13200
4700	3600	2880	1910	2800	6150	7390	3270	6480	13700
5190	3900	2860	1920	2850	6100	6720	3710	6430	15300
5700	3750	2860	1990	3150	5620	6440	3880	6430	13800
5830	3740	2940	1970	3250	5170	5870	3920	5940	13100
5800	3740	3000	1720	3680	5120	4920	3950	5610	13300
5730	3750	2950	1520	4160	5070	4710	3660	6190	13400
5970	3640	2910	1510	4350	5020	4740	3350	6310	13000
7220	3610	2890	1470	4380	5050	5160	3100	6320	12200
8210	3620	2940	1530	4370	5240	5150	2860	6070	11700
9460	3790	2940	1600	5010	5170	5180	2880	5610	11200
9620	4960	2940	1420	5530	4850	5180	2950	5640	11000
9590	6320	2980	1280	5600	4810	5150	3620	6160	11000
9570	7240	2980	1300	5610	4810	5120	4410	6200	11000
9480	7340	2810	1440	5650	4750	5160	5580	6250	10600
9770	7340	2420	1660	5650	4780	5250	6640	6260	10400
9980	7350	2250	1680	5640	4770	5620	7820	5860	10400
10000	7210	2350	1680	5620	4800	5690	8280	5680	9910
10000	7150	2510	1620	5590	5350	5790	8140	6290	9810
9950	7180	2560	1790	5610	5890	6470	8290	7040	9370
9840	7250	2550	2150	5600	6240	6690	7700	7110	8880
9840	7830	2530	2320	5840	6320	6750	7380	7140	8740
9820	7810	2520	2380	6750	6420	6730	7310	7170	8740
9870	8310	2520	2410	7080	6360	6630	7340	7160	8820
9820	8400	2680	2450	7200	6250	6580	7260	7210	8860
9850	8340	2850	2270	7220	5870	6580	6630	7620	8850
9870	8210	2880	1930	7230	5800	6620	6170	7660	8760
9840	7730	2910	1750	7210	5770	6600	6120	7700	8520
9550	8200	2890	1720	6730	5760	6180	6100	7860	8520
9790	8190	2880	1740	6880	5800	6210	6060	7840	8560
9880	8120	2880	1780	7220	6110	6190	6060	7790	8510
9990	8270	2780	1820	7630	6210	6370	6060	7790	8560
10000	8060	2710	1800	7750	6240	6350	6020	7800	8740
10000	7450	2750	1790	7550	6250	6570	5770	7520	8830
9950	7300	2540	1780	6760	6240	6650	5240	7450	8850
9970	7530	2260	1800	6560	6240	6720	4820	7450	8830
10100	7480	1970	1630	6480	6640	6770	4100	7470	8860
10100	7500	1750	1430	6480	6730	6790	3840	7500	8910
10100	7350	1670	1460	6830	6730	6800	3950	7540	8980
10200	7340	1440	1330	7110	6800	6680	3650	7510	8980
10200	7280	1390	1150	7140	6830	6310	3290	7500	9040
10300	6730	1340	1140	7080	6850	6290	3270	7510	9020
10300	6620	1240	1240	6470	6820	6290	3170	7570	9050
10300	6600	1230	1420	5990	6860	6230	2810	7590	8560
10400	6610	1220	1420	5560	6850	5890	2570	7660	8570
10500	6630	1270	1420	5190	6660	5830	2360	8150	8460
10400	6640	1380	1430	5150	6160	5850	2180	8570	8550
10500	6640	1400	1430	5160	5900	5870	2030	8640	8540
10400	6730	1390	1440	5170	5960	5840	2010	8610	8580
10400	6800	1410	1440	5180	5950	5490	1870	8580	8570
10400	6890	1440	1230	5160	5950	5490	1770	8580	8560
10500	6810	1470	1070	5150	5820	5470	1720	8670	8550
10500	6710	1420	1230	5150	5430	5480	1650	8680	7240
10500	6760	1440	1450	5140	5100	5470	1570	8680	6730
10400	6870	1500	1460	5140	5070	5490	1580	8650	6700

10500	6990	1490	1480	5170	5080	5420	1600	8680	7270
10500	6940	1470	1670	5250	5120	5070	1590	8640	8280
10500	6890	1450	1890	5220	5130	5150	1590	8660	8770
10700	6990	1510	1960	5270	5020	5130	1860	8730	8800
10700	6830	1900	2000	5320	4720	5130	2120	8780	8770
10600	6790	2140	1970	5330	4740	5170	1880	8790	8810
9290	6790	2130	1930	5330	4830	5160	1840	8810	8820
8940	6720	2130	1910	5330	4840	5230	2320	8850	8640
8820	6740	2140	1910	5340	4800	5260	2630	8900	8100
8770	6800	2150	1940	5300	4870	5250	3170	8380	8260
8800	6760	2150	1960	5330	4930	5310	3270	8430	8940
8780	6770	2190	1970	5360	4930	5270	3300	8950	9020
8780	6830	2190	1960	5450	4890	5090	3340	9000	9040
8850	6820	2210	1980	5490	4910	4970	3340	9010	9150
8810	6930	2200	1990	5510	4840	4880	3360	8990	9180
8800	7240	2140	2020	5510	4680	4880	3410	9000	9130
8850	7270	2250	2030	5740	4580	4910	3430	9110	9110
8960	7200	2630	2010	5790	4530	4940	3670	9090	9040
8920	7170	3000	1670	5770	4390	4980	3690	9040	7490
8880	7120	3130	1230	5680	4230	5000	3400	9030	7110
8870	7060	3170	933	5660	4150	4930	3090	8960	7830
8730	7080	2990	857	5670	4320	4920	2850	8940	8420
8660	7160	2900	842	5700	4610	4960	2570	9010	8500
8700	7170	2490	858	5670	4690	5280	2430	9080	8480
8730	7150	2090	834	5570	4720	5050	2290	9210	9620
8710	7190	1940	852	5500	4700	4960	2160	9390	10300
8680	7240	1890	922	5480	4670	4950	2080	9130	9260
8700	6440	1870	877	5540	4680	4970	1980	7470	9060
8700	5610	2020	833	5510	4690	4970	1890	7170	9170
8650	5570	2370	814	5540	4690	4980	1820	7130	8990
8680	5650	2700	784	5550	4840	4970	1740	7100	8720
8710	5710	2960	769	5510	3990	4980	1870	8370	9840
8550	5710	3630	742	5580	3640	5000	1850	9440	10300
8420	5690	3940	735	5570	3540	5020	1830	9670	8500
8350	5700	4150	727	5510	3390	5010	1820	10100	7690
8290	5740	4470	734	5430	3660	5030	1800	10100	7630
8280	5760	4290	759	5510	4130	5020	1780	10000	7830
8350	5810	3800	748	5160	4120	5040	1830	9840	999999

11407000 added to 11406920 converted to IHA format

1902	1903	1904	1905	1906	1907	1908	1909	1910	1911
2000	1170	1720	2180	1290	1680	1850	1250	2460	1240
2000	1170	1720	2130	1290	1680	1850	1250	2050	1160
2000	1170	1720	2080	1260	1680	1850	1250	2680	1160
2000	1170	1720	2040	1260	1680	1850	1250	2460	1240
2000	1170	1720	1960	1260	1680	1850	1250	1960	1160
2000	1170	1720	1960	1290	1680	1850	1250	1790	1240
2000	1170	1720	2080	1290	1680	1850	1250	1640	1160
2000	1170	1720	2310	1290	1680	1850	1250	1570	1240
2000	1170	1880	4420	1360	1680	1850	1250	1570	1080
2000	1170	2440	10600	1320	1680	1850	1250	1570	1080
2000	1170	2360	26900	1320	1680	1850	1250	1570	1160
2000	1170	2080	8880	1290	1680	1850	1250	1570	2180
2000	1170	1960	5950	1290	1680	1850	1250	1570	1980
2000	1170	1840	4680	1260	1680	1850	1250	1570	1780
2000	1170	1760	4680	1260	1680	1650	5340	1570	1160
2000	1170	1760	4810	1260	1680	1650	3350	1570	1400
2000	1170	1720	4420	1260	1680	1650	2280	1570	1400
2000	1170	1720	4100	1260	1680	1650	1920	1570	1160
2000	1170	1720	4040	1290	1680	1650	1680	2250	1010
2000	1170	1720	4220	1290	1680	1650	1570	2680	1120
2000	1500	1720	3500	1290	1680	1650	1460	2250	1200
2000	1880	1640	2790	1290	1680	1650	1460	1870	1010
2000	1960	1640	2690	1290	1680	1650	1460	1870	1160
2000	3400	1640	2690	1290	1680	1650	1460	1790	1080
2000	3400	1640	2590	1260	1680	1650	1460	1710	940
2000	1430	1640	2490	1260	1680	2060	1460	1870	1240
2000	1430	1640	2490	1260	1680	2060	1350	2050	1240
2000	1430	1640	2260	1260	1680	2060	1350	2570	1010
2000	1430	1640	2260	1290	1680	2060	1350	2460	1500
2000	1430	1640	2360	1290	1680	2710	2530	2800	1500
2000	1430	1640	2490	1290	1680	2490	2040	2350	1500
3000	1430	1640	2690	1290	1680	2490	1680	2050	1500
3000	1430	1640	3180	1290	1680	2270	1570	2350	1400
3000	1430	1640	2960	1290	2280	2270	1460	2250	1320
3000	1430	1760	2790	1290	7560	2060	1460	2150	1320
3000	1430	2130	2690	1260	5360	2060	1350	2050	1320
3000	1570	1960	2690	1260	3330	1850	1350	1570	1240
3000	2040	1960	2590	1260	2280	1850	1350	1710	1240
3000	3340	5800	2490	1260	1840	1850	1350	1960	1880
3000	4040	9500	2400	1230	1840	1650	1350	4340	1680
3000	12400	16400	2310	1230	1840	1650	1350	3420	1590
3000	5950	23200	2540	1200	1840	1650	1350	3290	1680
3000	3920	37000	2790	1200	1840	1650	1250	2680	1980
3000	3340	65200	2690	1200	1840	1650	1250	2350	1980
3000	3560	83000	2590	1200	1840	1650	1250	2680	1780
3000	3450	60400	2790	1230	1840	1650	1250	2350	1590
3000	3450	27100	3450	1230	1840	1650	1250	2150	1160
3000	4160	8200	2960	1230	1840	1850	1250	2050	1500
3000	6250	5500	2900	1230	1840	1850	1250	1960	2080
3000	7920	7300	2900	1230	1840	1650	1250	2800	1780
3000	6250	44800	2690	1290	1840	1650	1460	14400	1680
3000	4810	81500	2590	1570	1840	1650	2530	15100	1590
3000	3230	38100	2690	1500	1840	1650	4460	16300	1680

3000	3120	22300	2590	1500	1840	1650	3860	13000	1590
3000	3120	12400	2490	1460	1840	1650	3060	17800	3100
3000	2900	6960	2400	1430	1840	1650	2400	13700	4610
3000	2490	4810	2400	1430	1800	1650	2040	10100	3100
3000	2130	4220	2690	1360	1800	1650	1920	7760	2510
3000	1960	5220	3120	1360	1800	1650	1800	6770	2080
3000	1800	4940	3230	1500	1800	1650	1800	6080	2080
3000	1640	4810	3340	1570	1760	1650	1680	5250	1880
4000	1500	4810	3920	1570	1760	1650	1680	10700	1780
4000	1640	4680	3560	1540	1760	1650	1680	10700	1780
4000	1880	4680	3450	1430	1760	1650	1920	8600	4300
4000	2040	4550	3230	1400	1760	1650	2400	6770	3860
4000	2590	4550	2900	1360	1760	1850	4460	6530	3600
4000	3010	4220	2640	1290	1760	2060	3060	5660	2740
4000	3920	3800	2590	1290	1760	8310	2660	8900	2620
4000	3920	3680	2490	1260	3260	7400	2280	17400	2740
4000	4420	3620	2400	1260	4730	4640	2280	31000	8340
4000	10600	3500	3400	1260	7120	6530	2160	15500	8060
4000	17000	3400	3400	1260	13800	6530	2040	11700	8060
4000	13700	3280	3340	1290	7120	8620	1920	10400	7280
4000	12400	3180	3120	1290	5840	5430	1920	8900	5690
4000	7560	3010	3060	1360	5360	3890	1920	8040	4610
4000	5800	3230	2960	1430	4120	3150	1680	7250	3730
4000	4810	3680	2790	1400	4120	3150	1570	6530	3220
4000	4160	9080	2690	1400	3260	2870	1680	6080	2860
4000	3560	5800	2540	1400	3260	2730	1570	5870	2740
4000	3340	5290	2540	1400	3010	2590	1460	5450	2620
4000	3340	4940	2690	1400	2910	2730	1350	5060	2400
4000	3230	4740	2790	1360	2810	2730	1250	4870	2510
4000	3120	4550	3060	1360	3360	2590	1350	4690	2290
4000	3120	4160	3980	1360	4010	2590	1570	4340	2180
4000	3010	4040	5080	1360	4010	2590	1920	4020	2080
4000	3010	3920	4810	1400	17400	2590	1680	4020	2080
4000	4160	3680	4290	1400	43400	3600	1680	4020	1980
4000	21000	3620	4040	1430	23500	14200	1680	3860	1880
4000	11100	3500	3680	1430	13000	9600	1680	3710	1880
4000	9290	3400	3280	1500	9360	6500	1570	3710	1880
4000	5500	3230	68400	1540	8360	6000	1570	4340	1780
4000	4810	3620	29900	1540	8000	7700	1570	13700	1880
2040	4160	4550	17000	1330	6520	8300	1920	10800	1750
2490	3920	4940	11800	1330	6020	8600	13000	8620	1750
2490	3560	4160	9720	1300	5840	4800	26000	7280	1750
2040	3560	3860	8200	1330	11600	5000	10700	6550	1750
2040	3680	3340	6720	1240	7640	4400	13700	5890	1750
2040	3920	3230	6250	1240	6260	4000	33200	6100	1750
2040	3920	3120	6250	1240	8540	3800	18600	6100	1750
2040	4040	3010	5650	1240	6260	3600	66700	5690	1670
2040	4160	3010	4810	1300	5900	4000	38700	5890	1670
2040	4160	3120	4420	1360	5420	4000	20700	5490	2100
2040	4040	3500	3450	1570	7330	3540	14800	5120	2200
2040	3800	3500	3340	4290	6520	3770	10700	4940	2640
2040	3560	3340	3230	9830	6020	4250	17000	4770	3900
2040	3560	3280	17600	12800	5840	13700	118000	5690	6420
2040	3340	3120	18000	12500	11600	7440	131000	7020	4880
2040	3340	3230	10300	54100	7640	6330	137000	7020	2990

2040	3340	3500	6400	28000	6260	6060	74800	5490	2530
2040	3120	3860	6250	96300	6080	6060	57700	5120	2310
2040	3120	3920	9720	76100	5060	7730	45300	4940	2100
2040	3010	3500	8200	35100	4730	14400	62500	4940	18100
2040	3010	3340	9610	22400	4290	16300	76700	4610	7230
2040	7300	3500	24600	14600	3960	12600	52000	5300	6680
2040	8980	3500	25400	11400	4400	10800	35400	6780	5270
2040	14000	3400	18900	9640	4340	9520	27000	14700	11400
2040	28200	3280	16300	8360	5060	9210	24200	9200	20600
2040	22100	3180	12700	7640	6260	8310	22400	9200	14600
2040	26900	3120	10900	6520	9450	9210	19800	8060	9580
2040	14400	3010	9830	6580	12400	8020	17800	7540	17500
2040	10700	3010	9080	6520	11600	6330	16600	7020	11400
2040	10900	2900	8580	6520	10500	5520	16300	6780	32300
2040	9290	2960	8400	6260	11600	5000	15500	6550	75400
2040	8680	3010	15200	5600	19600	9210	14800	6780	35900
2040	7560	3120	22300	5060	50500	14400	14800	6550	24400
2040	8680	3060	18000	4730	78500	16300	18600	6320	22800
2040	7920	3120	13800	4730	59500	14000	16600	5890	17000
3010	7040	3980	13400	4780	50500	9210	16600	5490	14600
3560	5500	3740	13600	5300	39200	7730	15100	5490	12400
13700	5800	3500	10700	5420	31000	6330	17800	7020	11400
18000	6250	3450	9720	5480	25100	6060	14800	6100	10000
22100	5500	3340	8780	5600	20700	6060	14100	6550	8800
18900	5220	3230	8300	5780	17600	5790	13700	6100	8450
16100	5220	3280	7920	5840	14300	5790	15100	5690	11900
16300	5220	13700	7470	5960	11600	5520	36500	5690	8800
11700	4940	9180	6880	6080	9090	5000	26500	5490	10400
9400	4940	6960	6400	10400	8540	4750	19800	6550	8450
24400	4550	23900	6100	14000	8180	4750	18600	6550	7520
22100	4550	94000	6100	11800	7640	4500	18200	6100	6680
28200	4160	60000	7650	10100	14300	4250	27000	5890	6420
18000	4160	24900	7650	16300	12900	4010	28000	5890	6420
13700	4160	18700	7210	19200	11600	3770	23800	8060	6170
12400	3920	15400	10600	17600	10700	3770	22400	7020	5930
13700	3920	15800	11700	17800	10100	4010	19000	6550	5930
16100	3920	69300	10500	18200	10100	4250	16600	8060	5480
15200	4160	57000	9720	17200	16300	4250	15900	8620	5480
34600	4160	106000	9500	16300	12400	4500	15500	12700	5480
31100	4160	77800	9290	17200	15900	4500	14800	21000	5270
36400	4160	63400	9080	16000	14400	5000	13700	15600	5070
36400	4160	54000	9080	18400	12100	5260	13400	12700	4880
26900	4160	37400	8880	19900	10700	5790	13000	12700	4700
999999	999999	28500	999999	999999	999999	6330	999999	999999	999999
20000	4160	23900	8680	15500	11600	6330	13000	14700	4480
18900	4160	25400	8680	12900	13100	6060	12700	16000	5930
15200	5500	26400	8780	12900	16800	5790	14100	18400	5930
13000	4810	31400	9940	12600	19200	5520	22400	19000	9580
12400	4810	28500	10500	13200	23800	5520	19400	19000	10900
12000	4810	25600	9720	10200	14600	5000	18200	19000	16400
11300	4800	25800	8080	10000	12700	4750	16300	19000	41500
11700	4810	48400	8490	10000	9450	5000	15100	18000	24400
13000	4810	43400	8400	9740	10300	5000	14100	17000	17500
12200	4810	50800	8110	9640	12800	5000	13000	17400	15200
12200	4810	40400	8300	10000	11800	5000	12300	17400	13000

9830	4810	27400	10700	10200	11600	5000	12000	17000	11400
8680	7470	25400	18000	18400	10100	5000	11700	16500	10400
8200	11600	24900	16800	15200	9350	6600	12000	16500	10000
7830	9290	26600	15100	17000	8720	8020	12300	15600	10000
7740	9080	24400	13200	15500	8540	8610	12700	14700	10000
7920	7040	52000	12100	13200	34800	9210	13400	15200	10400
8300	7040	95000	13400	13000	144000	10500	13700	16500	10900
8110	6720	88000	28200	12600	187000	11200	13400	26600	11400
8490	6250	82000	22600	18400	120000	10800	13000	27900	12400
8490	6250	59600	22600	18800	92500	9210	13000	29200	13500
7920	6100	43400	20800	19000	65200	9210	12700	27200	15800
7920	7040	35000	20200	26000	58000	8910	12000	24300	17000
7740	7040	29900	19700	48100	40100	8910	11700	20000	19900
7560	6250	25600	16800	48100	34000	8610	11400	17000	20600
7380	7380	23900	14600	53200	30200	8310	11000	15200	19900
7210	10400	23200	13800	39500	27800	8020	11400	14300	19900
7040	14000	36400	15200	35100	26800	8020	11400	12700	20600
7040	25600	59600	19500	29000	26800	7730	13000	12300	22800
6880	93000	46400	17200	40900	26000	7160	12300	11600	27000
6880	63400	33900	13600	51400	26000	6600	11700	11200	30500
7920	42600	27400	11800	34800	26000	6330	12000	12300	33200
8880	34600	25400	11200	27500	26000	6330	12000	13100	37700
11100	29900	25600	11500	26500	27200	6060	12700	13500	39500
17000	23200	25100	11300	24200	26000	5520	13700	12700	39500
31100	20200	23900	11200	22000	26000	5260	13400	12300	41500
38100	17800	24600	11100	22400	25600	5790	13000	12700	65100
38100	17800	24400	11100	15300	25600	6330	12700	12700	48500
26900	17800	23500	11200	14700	28600	6330	13000	12700	39500
21900	17800	24400	11100	14700	27500	7160	13000	13600	36800
19300	17800	25100	10900	19200	27000	7440	13700	13900	35900
14300	17800	27900	10600	18000	27000	7730	14100	14700	28700
13400	17800	29600	10400	19200	28000	8310	14400	13100	22800
12900	17800	32500	9940	16700	29100	9210	14800	12300	19300
12600	17800	40400	9940	17000	29600	10800	16300	11900	17500
16600	17800	39600	9940	18000	31100	12600	17400	11900	15800
23200	17800	33200	9720	18000	33800	14400	18200	12300	15800
21000	17400	29300	9720	18200	40400	12600	19000	12700	17000
18900	17000	25100	9830	18000	39800	11800	19800	12700	18700
15200	16600	28200	10000	18200	42000	10800	20200	13500	22000
14900	16300	25400	9610	19400	38200	10500	19800	13500	22000
16300	16300	23300	8780	19200	34300	11200	19400	13100	22000
13700	15900	20600	8300	20500	31600	11800	18200	12700	22800
15200	15900	18500	8490	21700	30100	12600	17400	12700	26200
11600	15600	18100	8780	20500	27500	11500	16600	12700	30500
10600	15600	17600	9180	17600	26300	10800	15900	12700	35000
9940	15200	17200	9500	16200	26000	9840	16600	12700	37700
9720	14900	16800	9830	14600	26000	9210	17400	11900	35000
9500	14600	16800	9940	15000	26000	9210	17400	11600	30500
11100	14300	15900	9720	14100	26000	9210	17000	10800	24400
10600	14000	15200	9500	14300	25500	9520	16600	10500	22000
12600	13700	14800	9180	16300	25100	9210	16300	9830	22000
9940	13700	14400	8980	17400	24600	8610	17000	9510	22000
9290	13400	14400	8780	20900	24600	8020	17800	9510	22000
9080	13200	15200	8580	19600	24100	7730	18200	8620	27800
8880	12600	16600	8400	21500	26000	7440	18600	8060	31400

11100	12600	16800	8020	21700	25500	7440	17800	7800	30500
12400	12100	18000	7830	22400	25100	7440	17400	7800	26200
12100	11500	18700	7650	21700	25100	7160	17400	8060	23600
12100	11300	19100	7470	22000	24600	7160	17000	8340	22000
12100	11200	20000	7300	21700	24100	7160	16600	9200	21200
11800	11000	22100	7210	20300	24100	7160	15500	8620	21200
12900	11200	23500	7040	19400	23200	7440	14100	8060	22000
13700	10700	24600	6800	16700	21800	7730	13700	7800	22800
13200	10300	23900	6880	15000	21300	7730	13400	7540	22000
12400	9610	23900	7300	19700	20900	7730	13400	7280	21200
12100	9940	22300	7830	15300	19600	8020	13000	7020	20600
11800	8780	21900	8110	12800	19200	8310	12300	6780	18700
10600	8400	21200	7920	14000	19200	8610	12300	6550	18100
9940	7830	18500	7830	12600	21300	8910	12300	6320	19300
9500	7210	18000	7740	11700	28600	8910	12300	6100	18700
8880	7120	17000	7740	12600	28600	9210	12700	5890	19300
8680	7120	20000	7560	10700	28000	9210	12000	5890	22000
8490	6960	20400	7560	10700	27000	9210	11400	5490	24400
8490	6720	19300	7560	10300	26000	9520	11000	5300	25300
9940	6320	19100	7470	11600	23600	9840	11400	4940	22000
11100	6180	19700	7380	22000	21300	9210	11700	4770	19900
10900	6180	15800	7210	22600	21800	8610	11400	4610	19300
10600	6180	15200	7040	25300	21800	8310	12000	4450	19300
9940	6250	13800	6960	20300	21300	7730	11700	4300	19900
9500	6320	13700	6800	17600	20400	7440	11400	4000	19900
8880	6480	13400	6480	17000	17000	7160	11400	3860	21200
9940	6640	13200	6100	16500	18300	6590	12000	3730	19900
8880	6400	12700	5880	15300	17000	6320	12300	3600	22000
7920	6020	12700	5800	18000	15400	6320	12700	3470	22800
7560	5650	12500	5800	26000	15000	6590	12700	3340	22800
7380	5500	11700	5720	20300	15800	6590	12000	3220	22000
7380	5360	11300	5500	18800	15800	6870	11700	2980	22000
7040	5290	10900	5430	16200	15800	6060	11400	3220	22000
7040	5150	10300	5430	13200	16200	6060	10700	3100	22000
6880	5010	9720	5360	15600	16200	5810	10400	2980	19300
6720	4880	8980	5220	14100	17000	5570	10100	2620	19300
6720	4740	8680	5080	15000	17000	5570	9800	2740	19300
6560	4620	8400	4940	15200	17400	5340	9500	2620	19300
6250	4740	8020	4740	18000	26000	5340	9200	2620	18700
6100	4100	7740	4420	16900	22200	5110	8900	2620	18700
5080	3980	7470	4290	13600	20400	5110	8900	2620	17000
5500	3980	7300	4040	13000	17000	5110	8600	2510	15800
5220	3980	6960	3920	15800	17400	5110	8600	2510	15800
4810	3860	6640	3800	13700	17000	5110	8320	2400	15200
4550	3620	6250	3680	13200	15400	5340	8320	2400	14600
4550	3500	6020	3500	12200	13900	5340	8040	2400	13500
4290	3450	5880	3230	13600	12400	5340	7760	2400	13000
4290	3340	5720	3180	11000	12600	5110	7500	2290	10900
4160	3280	5430	3060	10800	12000	4890	7500	2180	9580
4160	3180	5150	3010	9170	11700	4890	7250	2180	8800
3920	3060	4880	2900	9080	11300	4670	7010	1880	8130
3560	2960	4740	2790	8900	11000	4460	6770	1980	8130
3450	2900	4480	2590	8720	10300	4050	6530	2080	7820
3340	2960	4220	2490	7820	9920	3860	6080	2080	7230
3230	3060	4160	2400	7480	9590	3510	6870	1980	6950

3010	2960	4220	2310	7260	8940	3350	5450	1880	6950
2900	2840	4100	2130	6390	8000	3200	5250	1880	6680
3010	2740	3980	2130	6260	7700	3060	5060	1780	6170
3010	2640	3920	2130	7330	7400	2920	4870	1590	6170
3010	2590	3980	2080	6980	7110	2660	4690	1880	5930
3010	2540	3860	2040	6840	7110	2530	4510	1780	5700
2900	2440	3740	2040	7120	6820	2530	4340	1680	5480
2690	2440	3680	2000	6980	6820	2530	4020	1680	5270
2490	2440	3500	1960	6780	6820	2530	3860	1680	5070
2490	2440	3400	1960	6650	6820	2530	3710	1780	4700
2400	2440	3340	1920	6390	6820	2400	3560	1590	4700
2400	2440	3230	1880	6390	6530	2400	3420	1400	4360
2310	2360	3180	1880	5780	6530	2400	3290	1500	4050
2220	2310	3060	1840	5600	6250	2400	3290	1780	3900
2220	2260	3010	1840	5480	6250	2280	3160	1680	3760
2130	2220	3120	1800	4500	5970	2280	3040	1680	3620
2040	2220	3010	1800	4500	5970	2280	2920	1590	3490
1960	2220	3010	1760	4000	5970	2280	2920	1780	3490
1960	2220	2960	1760	4000	5970	2160	2920	1680	3490
1880	2220	2790	1720	3500	5970	2160	2920	1590	3230
1880	2130	2740	1720	3500	5700	2160	2920	1590	3230
1800	2130	2690	1720	3500	5430	2160	2800	1500	2990
1880	2130	2640	1680	3000	5160	2160	2680	1500	2870
1800	2130	2590	1640	3000	5160	2040	2570	1400	2640
1800	2080	2540	1640	3000	5160	2040	2460	1500	2640
1720	2040	2490	1640	3000	4900	2040	2350	1500	2640
1720	2040	2440	1600	3000	4900	2040	2350	1500	2420
1720	2040	2400	1600	2500	4640	1920	2350	1500	2420
1640	2040	2360	1570	2500	5160	1920	2350	1400	2310
1640	2040	2310	1570	2500	4390	1920	2250	1400	2200
1640	2000	2260	1540	2500	4390	1920	2250	1400	2100
1570	1960	2260	1540	2500	4140	1920	2250	1400	2100
1570	1960	2220	1500	2200	3890	2040	2150	1500	2100
1570	1960	2220	1460	2200	3890	2040	2150	1590	2010
1570	1960	2220	1460	2200	3890	2040	2050	1400	2010
1540	1960	2180	1430	2200	3410	1920	2050	1320	1920
1500	1960	2180	1400	2200	3170	1920	1960	1240	1920
1500	1880	2130	1400	2200	2940	1920	1960	1320	1830
1500	1880	2130	1400	2200	2940	1920	1960	1320	1830
1500	1880	2000	1360	2200	2940	1800	1960	1400	1830
1500	1880	2040	1360	2200	2940	1680	2050	1400	1750
1500	1880	2130	1320	2200	2710	1570	2150	1400	1750
1500	1880	2000	1320	2200	2710	1350	1960	1240	1750
1500	1800	1960	1320	2200	2710	1350	1790	1400	1750
1500	1800	2040	1320	2200	2710	1350	1710	1400	1590
1500	1800	2040	1290	2200	2710	1350	1710	1400	1510
1500	1800	2040	1290	2200	2710	1350	1710	1500	1510
1500	1800	1960	1290	2200	2710	1350	1640	1320	1670
1500	1800	1960	1320	2200	2490	1350	1640	1240	1510
1500	1720	1880	1320	2200	2490	1350	1640	1240	1510
1500	1720	1920	1320	2200	2490	1350	1710	1320	1510
1500	1720	1880	1360	2200	2490	1350	1790	1400	1670
1500	1720	1880	1360	2200	2490	1350	1640	1400	1670
1430	1720	1880	1360	2200	2270	1350	1640	1500	1590
1430	1720	1880	1430	2200	2270	1350	1570	1400	1510

1430	1720	1880	1430	2200	2060	1350	1570	1400	1510
1360	1720	1960	1360	2200	2060	1350	1710	1400	1750
1360	1720	1960	1290	2200	2060	1350	1710	1320	1430
1360	1720	2000	1290	2200	2060	1350	1640	1400	1430
1360	1720	1960	1290	2200	2060	1250	1640	1320	1350
1290	1720	1880	1260	2200	2060	1250	1570	1240	1350
1290	1720	1880	1290	2200	1850	1250	1640	1080	1350
1290	1720	1880	1290	2200	1850	1250	1640	1010	1270
1290	1640	1880	1260	1760	1650	1250	1640	1010	1270
1290	1640	1880	1230	1760	1650	1250	1640	1080	1270
1290	1640	1840	1230	1760	1650	1250	1640	1080	1350
1230	1640	1800	1230	1760	1850	1250	1640	1160	1270
1230	1570	1800	1230	1760	1850	1250	1790	1160	1270
1230	1570	1800	1260	1760	1850	1250	1960	1160	1350
1230	1570	1720	1260	1760	1850	1250	1710	1080	1350
1230	1570	1720	1290	1760	1850	1250	1790	1080	1350
1230	1570	1640	1290	1720	2710	1250	1790	1080	1350
1230	1570	1640	1290	1720	2270	1250	1570	1080	1270
1230	1570	1640	1290	1720	2060	1250	1710	1080	1270
1170	1570	1640	1260	1720	2060	1250	1500	1160	1270
1170	1570	1640	1260	1720	2060	1250	1790	1160	1350
1170	1570	1570	1230	1760	2060	1250	1640	1320	1350
1170	1570	1600	1230	1760	1850	1250	1710	1400	1350
1170	1570	1570	1230	1760	1850	1250	1790	1320	1430
1170	1640	1570	1200	1760	1850	1250	1710	1240	1350
1170	1640	1540	1200	1760	1850	1250	1710	1240	1270
1170	1640	1570	1200	1760	1850	1250	1870	1240	1270
1170	1640	1640	1230	1720	1850	1250	1960	1240	1200
1170	1570	1720	1230	1680	1850	1250	1570	1160	1200
1170	1570	2040	1230	1680	1850	1250	1640	1160	1270
1170	1570	4420	1260	1680	1850	1250	1640	1160	1270
1170	1570	5220	1260	1680	1850	1250	1870	1160	1350
1170	1570	5080	1230	1720	1850	1250	1870	1160	1270
1170	1570	4220	1230	1680	1850	1250	2050	1240	1200
1170	1570	3920	1230	1680	1850	1250	2250	1240	1670
1170	1570	2790	1800	1680	1850	1250	2350	1160	1270
1170	1570	2540	1500	1680	1850	1250	2680	1160	1270
1170	1640	2220	1290	1680	1850	1250	2050	1160	1350

1912	1913	1914	1915	1916	1917	1918	1919	1920	1921
1200	940	1040	1800	2170	2450	2180	1540	2250	1230
1270	940	1020	1800	2120	2760	2150	2050	2300	1170
1270	940	1020	1840	1920	2910	2200	2150	2150	950
1270	940	1020	1800	1970	2930	2130	2350	2050	1160
1350	1110	980	1890	2120	2800	2180	2050	1630	1220
1270	1020	1000	1840	2020	2800	2210	2050	1900	1500
1270	980	980	1800	1970	3230	1950	2100	1950	1630
1270	1020	1040	1760	2020	3140	2180	2450	2000	1500
1510	1020	1060	1800	1970	3050	2220	2400	2050	1340
1510	1060	1060	1980	1970	2960	2210	2450	2050	1150
1430	1020	1060	1980	2070	2870	2220	2450	2000	1370
1350	940	1040	1890	2020	2790	2210	2300	1580	1730
1270	980	1060	1840	2020	2700	2220	1900	2000	1630
1350	845	1040	1800	2070	2620	1950	2100	2050	1500
1270	845	1020	1710	2220	2520	2210	2300	2050	1420
1270	845	1040	1710	2120	2440	2220	2940	2050	1370
1270	940	1040	1890	2070	2410	2180	2830	2050	1100
1270	940	1040	2400	2070	2410	2160	2660	2000	1700
1200	940	980	2630	2120	2380	2190	2450	1500	1860
1130	1020	1040	3420	2020	2460	2170	1950	1900	1610
1130	1020	1060	2630	2020	2360	2010	2250	2050	1540
1430	875	1040	2290	2070	2180	2270	2350	2100	1530
1270	1060	1060	2240	2020	2320	2220	2350	2050	1370
1670	1110	1040	2130	2220	2440	2210	2350	2000	1550
1430	940	1000	2080	2120	2400	2210	2350	2100	2040
1430	1220	980	2180	2070	2440	2240	2250	1630	2180
1350	1160	1020	2130	2070	2490	2170	1720	2050	2270
1350	1110	1000	2080	2120	2430	2050	2150	2200	2330
1350	1110	1060	2130	2120	2300	2150	2300	2150	2220
1350	1290	980	2240	2020	2390	2130	2350	2200	2240
1430	1160	980	2290	1560	2380	2130	2350	2200	1590
1270	1110	1220	2290	2420	2430	2120	2400	2150	2120
1430	980	1710	2520	2170	2550	2100	2300	1720	1820
1430	940	1260	2400	2120	2440	2060	1860	2100	1710
1510	1370	1410	2290	2170	2630	2110	2560	2200	1780
1430	1110	1290	2290	2120	3460	2260	2500	2300	1730
1590	6370	1580	2240	2120	3140	2680	2560	2250	1650
1060	8400	1530	2180	2070	2870	2360	2500	2250	1270
1130	8400	1450	2130	2220	2540	2280	2560	2300	1580
1270	3110	1260	2240	2640	2390	2320	2450	1810	1890
2100	7800	1140	2180	2470	2420	2240	1860	2200	1890
2420	4490	1260	2180	2370	2430	2130	2000	2050	1830
1750	3620	1760	2240	2270	2240	2440	2350	2100	3720
1670	2870	1620	2180	2270	2320	2410	2450	2100	8510
1750	2400	1660	2240	2220	2340	2320	2560	2200	4530
1670	2870	1530	2240	2320	2330	2210	3760	1950	3380
2100	2750	1330	2460	2370	2320	2250	3100	1630	9110
1750	2080	1330	2290	2470	2350	2200	2250	1900	10800
1670	1890	1710	2400	2420	2410	1920	2560	1860	29200
1670	1620	1940	2400	2420	2180	2120	2500	1810	49600
1830	2520	1800	2400	2370	2320	2000	2660	1810	21200
1590	1980	1840	2290	2320	2380	2180	2780	1810	10700
1510	1980	1660	2290	2370	2410	2100	2720	1810	10400

1510	1980	1490	2400	2420	2450	2100	2830	1300	7750
1510	1800	1370	2400	2860	2500	2050	2610	1420	6000
1350	1710	1410	2400	2740	2600	1880	2780	1460	4670
1510	1620	1710	2460	3250	4920	1980	2780	1300	10700
1430	1620	4330	2570	2860	4150	1940	2830	905	20700
1270	1710	3360	3230	2470	2650	2000	2100	1150	11400
1270	1800	2750	2870	2420	2850	1880	2660	1180	8350
1430	1450	2400	2690	2370	2640	1990	2200	1150	6620
1270	1530	2030	2570	2370	2800	4650	2200	1380	6200
1270	1530	1760	2630	2370	5810	2730	2660	1630	13400
1270	1530	1660	3170	7160	11100	2050	2780	2150	8350
1270	1530	1580	3230	8650	20000	2350	2830	2150	7150
1200	1450	1450	3560	4350	9700	2210	2830	2150	5980
1350	1290	1450	3110	3850	8040	2140	2940	2200	5470
1350	1290	1450	3110	3610	5460	2050	3000	1630	5720
1430	1370	1370	3050	3130	4390	1980	2400	1810	6680
1350	1160	1370	3110	3970	3960	1940	3160	2000	6980
1430	1160	1260	3420	3610	3630	1910	3000	2250	8650
1350	1160	1580	4100	3130	3600	1880	2830	5490	14600
1350	1160	1710	3750	3130	3350	1930	2830	4370	11000
1350	1220	2180	3360	13300	3300	1980	2830	2940	7750
1350	1290	2130	3170	10800	3280	2030	2720	2150	6280
1430	2870	1980	2990	5670	3180	2080	2100	2300	5500
1430	3360	1840	2990	4350	3200	2130	2450	2150	5000
1590	2990	1760	3050	3610	2830	2170	2560	2050	4670
1510	2630	1660	3110	3250	3050	2040	2560	2000	5730
1510	2400	1530	3070	2860	2870	1970	2560	2000	20500
1510	2180	1530	3030	2860	2940	1880	2660	2830	14200
1430	1980	1580	2990	2800	2930	1800	2940	2100	9300
1510	1760	5410	2870	2860	2900	1600	2100	2400	7450
1510	1710	4330	2870	2860	3500	1550	2000	2720	6440
1510	1660	4830	2870	2910	4100	1650	2400	2660	8350
1430	1620	14600	2750	2910	3570	1720	1720	1950	7450
1430	1710	7500	2810	2960	3480	4540	2150	2300	6470
1430	1580	4260	2750	2860	3010	5500	2350	2500	5920
1590	1580	3230	2690	2690	3150	2800	2200	1900	5820
1590	1530	2870	2630	2690	3180	2370	1760	2150	5670
1590	1800	8100	2630	2470	3200	2370	2150	2400	8320
1670	1980	88000	2630	2370	2660	2250	2200	2400	13000
1750	2030	69500	2460	2640	2710	2090	1630	1810	10400
1750	1800	65900	2460	3520	3620	2200	2100	2100	8650
1670	1800	40900	2460	31100	3950	2090	2100	1950	8350
1750	1760	24600	2870	15000	4010	2220	2150	1630	10000
1670	1620	18700	2810	8700	4050	2100	1760	1810	15500
1670	1290	15000	3490	6910	3350	1930	2100	2000	17800
1510	1410	14200	3620	5670	3090	1900	1860	1810	14200
1590	1840	15000	5410	6630	3350	1810	1780	1680	11400
1590	1710	13000	4830	7800	3150	1730	1780	1760	9300
2010	1620	11000	3680	6910	3050	1740	1780	2200	8350
2750	1530	9000	3420	5490	2970	1700	2250	1220	7450
2640	1980	9350	3620	5030	3000	1900	1860	1630	6800
2750	3560	10800	4410	5330	2830	1600	1760	1630	6300
2530	6370	26400	7500	10800	2600	1970	2300	1630	5850
2420	6370	20700	5210	6630	2760	1800	2300	1540	5400
2640	5410	15000	4030	5670	2820	1850	2300	1630	5100

3110	4650	15400	3420	6110	2870	1810	2300	1460	13000
3110	10800	16800	3110	6370	2970	1930	2830	1010	43000
4050	8100	13800	2990	5870	3050	1970	3780	1300	33000
4050	5410	11400	2870	5210	2950	1780	6840	1460	20000
4050	4180	13400	2810	5030	2480	1760	4480	1460	16000
3760	3620	27000	2750	5180	2720	1600	3250	1710	13000
2010	3230	22900	2630	17200	2690	1600	3020	1950	10700
2010	2870	32900	2290	21800	2720	1700	3610	2200	11400
2100	2750	47200	2990	25200	2720	1660	3020	2000	10700
16400	2690	48000	3230	18200	2770	1600	2370	1950	10000
12400	2870	29600	4180	13800	2770	1460	2520	1810	11800
4700	2750	21200	10800	11800	2430	1600	2470	1760	13000
4050	2750	17200	11100	10000	3420	1550	2370	1760	12200
3760	2570	15400	10400	8400	3570	1490	2370	1950	17800
3760	2570	13800	11100	7500	3310	1500	2320	1900	13800
3490	2690	13000	27000	6630	2940	1570	2270	1760	11400
3490	2690	11800	43200	6370	2920	1500	1880	2000	10400
2870	2690	10800	22900	7500	2820	1470	2070	2000	9650
2870	2570	10000	14600	10400	2670	1530	2120	2100	8950
2750	2520	9000	10800	11800	2770	1800	2740	2150	9650
2870	2400	8400	8700	13800	2880	12400	3020	2150	8650
2750	2400	8100	7800	16400	2830	8500	6650	2000	7750
3110	2690	8100	13000	18700	2900	4850	7500	1760	7100
3110	2570	7500	19700	16400	2900	3500	16000	1810	6610
2870	2690	7500	16400	29100	2900	2800	31800	1630	6870
3110	2690	7800	12600	32200	2550	2700	44500	1580	7170
3110	2690	7200	9700	24600	3000	2880	17700	1540	8050
2870	2690	7200	8100	19700	2980	2950	11800	1580	8650
3110	2750	7200	6910	17200	2980	3220	10400	1460	14600
3110	2810	7500	6370	16400	2950	2900	8400	1220	15500
2750	2990	7500	9700	15400	3030	2600	6650	1460	13800
2750	3170	7500	22900	15400	3200	3470	6650	1500	12200
2870	3230	11400	21200	15000	2810	2570	5970	1500	10700
2750	3050	21200	15900	15000	3040	2700	5210	1580	9650
2420	2870	34300	13800	14600	3310	2550	4900	1950	8650
2420	2690	55400	11800	15400	8620	2550	4610	1720	14600
2200	2520	33600	11400	15400	12500	3200	5050	1300	11800
2200	2460	25800	11400	14600	9700	4000	4900	1500	10000
2310	2630	20200	11800	14200	37300	4200	4610	1720	9300
2100	2460	17700	11800	13800	71600	3460	4090	1580	8950
2100	2340	16400	10400	14600	36800	2720	6190	1460	8950
2310	2340	14600	9700	18700	21900	2630	5560	1810	9300
2420	2240	13800	11100	18200	15400	2550	5560	3750	10400
2100	999999	999999	999999	16800	999999	999999	999999	2720	999999
2010	2180	13800	10800	15900	11700	2530	5050	3750	11000
2420	2080	14600	9700	13800	10000	2630	8700	6020	11700
2200	2180	14200	8700	12200	8400	2630	9700	4240	13000
2200	2240	13800	8100	12200	7740	2820	6910	3160	14600
2640	2340	13800	8100	17200	6970	2760	5560	2780	17300
10900	2520	14200	7500	14200	6550	2420	5210	2780	18500
7520	2870	15000	7500	13000	6290	3150	5050	2500	17200
5700	3110	16400	6910	12200	6000	3250	4900	2560	14700
4700	3360	16800	6910	11800	6700	2850	4350	3750	12800
4530	3750	17200	6910	13000	5980	3140	4220	4500	12200
4360	4180	17200	6630	15400	5420	5300	3850	3510	11700

3620	4180	17200	6630	18200	5140	6020	3970	3050	11400
5270	3890	18200	6370	20700	5180	4980	4350	3000	21000
4530	3620	18200	6910	21200	5200	4050	4610	3990	20400
3620	3360	18200	7800	20200	4840	3320	4900	4760	17800
3360	3360	18200	8400	20200	4730	3350	4350	3990	15600
3110	3490	19200	8700	20700	4550	3130	4610	3510	15400
3360	4030	19200	9350	22400	4380	9690	4900	3100	18200
3360	4180	20200	10000	31500	4700	15400	5970	3050	18400
3360	3960	20200	9700	41600	4780	9350	5210	3270	15900
3230	4030	19700	9350	38600	4960	7200	5380	7800	14000
3230	5630	19200	9700	31500	5140	6630	5380	9000	15000
3230	5210	19700	10400	25800	4760	6630	5970	6910	14000
3230	4490	19000	11100	21200	4880	6630	6650	5660	12400
3230	4030	18000	11100	18200	4950	14300	7200	4890	12100
3620	3680	18000	11400	17200	5470	26400	8100	4110	11400
4050	3560	16000	11400	16400	5800	23600	9350	4370	10500
4360	3620	14000	20700	17200	7650	17000	6650	3510	10000
4700	3820	13000	23400	18200	11100	14000	10800	3750	9760
4700	4570	12200	18700	17700	14100	13600	12600	3510	9760
3620	5870	10800	15400	16800	11700	13600	15400	3750	10000
3230	7500	10800	13800	16800	9630	13200	15400	3750	11000
3230	9000	10000	13400	16800	8610	12400	15400	3510	13100
4200	8400	10400	14600	17200	8160	10600	15900	3630	14700
4200	9700	13800	15000	17200	8160	8850	16800	3160	14000
4530	11400	20200	13800	17200	9100	7670	21200	4240	12300
4530	11100	19200	12200	16800	10800	7110	18200	4500	10300
4530	10000	18200	11800	17200	12100	7390	13800	5320	9650
4530	9350	18200	11800	17700	15800	7390	11400	5660	9370
5270	9350	21200	11400	18700	15100	14200	10400	8400	9620
5700	9700	30800	12200	19700	12500	18400	10400	6910	11000
5700	10800	24600	12600	23400	20700	15700	12600	5840	12400
4700	11400	20700	13800	23400	28700	14000	13000	5660	12800
4200	12200	20200	14600	20200	20200	12400	12200	5660	13200
4050	11400	19200	13400	18700	16900	10200	10800	6020	12500
3900	10000	22900	13000	19200	13900	9150	10000	16800	11100
3900	8700	24600	13800	19200	12000	8250	10000	19700	10300
3900	8100	21200	14600	20700	10700	8250	11100	13800	9960
4050	8700	20200	15400	20700	9940	8250	14600	10800	9540
3620	9000	20200	15400	18200	9140	8250	14600	8700	9120
3490	9350	22400	15900	17200	9000	8250	13800	8100	9020
3490	9700	21200	14200	16400	9560	8850	13400	7500	9960
3760	10000	19200	13400	17200	21100	9500	13800	6650	11600
3110	10000	18200	12200	17700	29400	10200	13800	6210	12900
2990	10400	16400	11100	17200	26800	9500	15000	5660	13000
3620	10800	15400	10400	17700	25600	8850	14600	5320	12200
4360	11800	14600	9700	18200	25100	8250	13800	5660	11000
3620	12600	14200	10400	18700	23200	7390	13800	5660	11100
3620	11400	13800	12200	19200	20600	6840	13800	6420	12500
4360	10400	13000	14600	17700	18000	7110	15400	7500	14200
7230	9350	12600	14600	16400	15800	7110	16400	8100	15200
8130	8400	13000	12600	16400	14400	7390	18000	7800	16400
7520	7800	13800	11100	16400	13500	7390	18000	6910	15000
7520	7800	15400	10000	16800	13100	7110	16800	6420	13800
6950	8100	16400	9700	17200	13400	7390	16400	6420	12800
6950	9000	17200	9700	17700	14000	7110	15900	6420	11400

6950	10000	16400	10000	18700	14600	6340	14600	6650	10800
8130	10800	16400	10400	18200	16600	6110	13400	7200	10900
8800	11400	17200	11400	15900	16100	6110	13000	7200	12000
9180	14200	16800	19200	15000	17300	5890	12200	7500	12100
9580	13400	15900	44800	14600	16400	5320	11100	6420	12400
9580	11400	15000	65900	13400	17000	5020	9350	6210	13300
9580	10800	15000	60500	12600	16300	4760	8700	6020	14500
9180	9700	15000	44000	12200	16600	5020	8100	6020	15700
9180	9350	15400	30800	11100	17200	4760	8100	6420	16400
9180	9350	15400	23400	11100	15300	4500	7500	6420	15900
8800	9700	14600	21200	11100	13100	4110	7200	6420	16700
8130	10800	13800	28200	10800	13200	3990	6910	6910	14500
7820	11800	13800	28200	11800	13200	3990	6910	6910	13100
7520	12200	13400	23400	13000	12000	3750	6910	6910	11700
7230	11000	13000	19700	12200	11200	3750	7200	7200	11400
8130	10000	13400	18200	10800	10900	3630	7500	6910	12200
7520	10000	13800	16800	10000	10500	3510	7500	6020	11100
7230	10000	13400	16400	9350	10800	3390	7500	5320	12300
6950	10000	13000	16400	9000	10800	3270	6650	5020	12600
6950	9350	13800	14600	8100	11600	3160	6020	4500	13000
9180	9700	12200	14200	8100	10800	3000	5660	4240	13300
10000	9350	11400	15400	7800	10500	2880	5660	4110	13900
8800	9000	11400	15400	7500	10800	2880	5490	3990	13500
8800	8400	11100	15400	7800	12100	2660	5320	3990	11100
8800	8100	11100	14600	7500	12600	2500	4890	3390	10300
8130	7800	11400	14600	7500	12300	2610	4370	3390	10200
7820	7500	11400	14600	7200	10700	2450	3870	3390	9790
7820	7200	10800	14200	6910	10800	2300	3990	2940	10200
7520	6910	10000	13000	6910	10400	2400	3510	2940	9620
7230	6630	9350	12600	7200	9840	2300	3160	2880	9200
6950	6110	9350	12200	7500	9520	2150	3100	2720	9480
6680	5870	8100	12200	7500	9520	2100	3100	2610	10000
5700	5870	9000	12200	7500	9630	2050	3050	2450	10100
4880	5410	8700	12200	7200	9940	2000	2660	2400	9540
4700	5210	7800	11400	8100	10300	1810	3100	2500	8770
4530	4830	7500	10800	7800	10100	1860	2880	2450	8440
4700	4330	7200	10000	7500	8700	1720	2880	2200	8320
4700	4030	6910	9350	7200	7620	1900	2830	2200	7840
4700	3750	6910	8700	6630	7000	1900	2780	1900	7400
4530	3560	6630	8400	6370	6910	1900	2720	2050	6500
4360	3300	6630	8100	6110	6840	1810	2150	2720	5900
4050	3170	6910	7800	6110	6730	1630	2560	2610	6300
3900	2930	6910	7200	5870	6710	1950	2780	2500	5560
3900	2810	6630	6370	5670	6350	2250	2660	2250	5060
3760	2870	6370	6110	5490	6080	1760	2720	2200	4800
3620	2810	6370	5670	5030	5800	1680	2660	1860	4900
3360	2570	6110	5490	4890	5380	1630	2560	1950	4830
2750	2400	6110	5490	4180	5090	1540	1950	2000	4770
2530	2520	5870	5330	4350	5280	1540	2150	2350	4710
2530	2690	6630	5180	4220	5130	1680	2660	1950	4400
2420	2750	6110	4820	4220	4520	1630	2500	1950	4110
2200	2870	5410	4610	4090	4140	1630	2500	1810	3720
2010	2990	5010	4540	4090	3950	1630	2610	1460	4000
1830	2930	4100	4480	3850	4330	1580	2450	2100	3630
1750	2690	3750	4480	3610	3470	1630	2100	1950	3860

1590	2460	3300	4350	3490	3410	1500	2300	1900	3800
1710	2240	3170	4220	4610	3200	1540	2400	2000	3580
1620	2130	3050	4090	5030	3320	1500	2350	1900	3350
1530	2080	2870	3910	4220	3250	1580	2250	1680	2930
1450	2030	2690	3790	3610	2900	1460	1760	1680	2810
1370	1980	2630	3610	3610	3040	1500	1760	1630	3270
1370	1940	2570	3550	3610	3050	1420	1630	1720	2920
1370	1890	2630	3670	3490	3050	1460	2000	1760	3380
1370	1760	2630	3490	3250	2900	1540	2250	1810	3120
1290	1660	2520	3370	3250	2940	1580	2100	1860	3070
1160	1660	2870	3310	3250	2960	1630	2100	1860	2620
1160	1620	3170	3080	3130	2880	1760	2200	1680	2730
1110	1580	2810	3080	3130	2850	1760	2100	1810	2970
1110	1490	2570	3130	3020	2820	1680	1580	1900	2970
1060	1450	2400	3250	2960	2800	1420	2050	1900	2950
1060	1450	2290	3190	2960	2500	1540	2000	2100	2930
1020	1450	2460	3130	2690	2730	1580	2000	2050	2870
1020	1450	2340	3020	2800	2870	1540	2000	2100	2620
1020	1370	2290	2960	2740	2860	1460	1950	1720	2700
1020	1330	2240	2960	2740	2760	1460	2000	1860	2810
1020	1330	2130	2860	2690	2710	1380	1680	1860	2800
980	1370	1940	2800	2640	2640	1180	1860	1950	2800
980	1490	1890	2800	2580	2390	1380	2000	1810	2780
980	1530	1840	2740	2640	2530	1630	2000	1700	2770
1020	1620	1890	2910	2470	2530	1630	2000	1700	2380
1060	1620	1840	2640	2520	2580	1720	1950	1700	2510
1110	1620	1710	2740	2470	2480	1720	1950	1700	2770
1160	1530	1980	2690	2470	2500	1680	1720	1700	2570
1110	1710	2080	2520	2470	2480	1420	2000	1700	2480
1110	1580	2130	2470	2470	2260	1680	2000	1700	2390
1060	1620	2180	2470	2270	2450	1720	2100	1700	2300
1060	1450	2080	2470	2580	2430	1680	2050	1700	2100
1060	1450	1760	2370	2580	2410	1760	2000	1630	2300
1060	1410	1760	2420	2520	2450	1760	2050	1860	2300
1110	1330	1800	2370	2520	2480	1680	1760	1950	2280
1110	1330	1710	2320	2520	2490	1460	2050	1860	2260
1110	1290	1660	2270	2420	2220	1680	2050	1760	2240
1060	1260	1890	2220	2400	2400	1630	2050	1760	2220
1060	1220	1980	2170	2390	2350	1580	2050	1580	2220
1060	1260	1980	2220	2370	2360	1630	2050	1380	2000
1060	1160	1890	2270	2350	2400	1630	1950	1500	2000
1060	1190	2080	2170	2340	2390	1630	1580	1580	1940
1060	1160	1940	2220	2320	2380	1420	1970	1580	1980
1020	1160	1940	2270	2300	2180	1540	1970	1580	1900
1020	1140	1800	2220	2290	2320	1630	1970	1500	1800
1020	1160	1840	2170	2270	2320	1630	1970	1540	1610
1020	1160	1940	2120	2420	2460	1580	1970	1500	1750
980	1140	1980	2170	2370	2400	1680	1970	1680	1750
940	1140	2030	2120	2420	2370	1630	1580	1500	1760
875	1160	1890	2120	2370	2290	1340	1810	1500	1650
820	1110	1890	2120	2370	2390	1540	2000	1500	1720
940	1110	1980	2070	2300	2400	1580	1900	1500	1630
820	1090	1840	1970	2240	2340	1630	1950	1500	1430
875	1040	2180	2070	2170	2350	1720	1900	1180	1600
940	1090	1710	2070	2220	2360	1680	1900	1460	1670

1060	1090	1660	2070	2320	2380	1680	1720	1500	1620
980	1060	1660	2070	2220	2350	1420	1860	1500	1800
820	1060	1710	2070	2220	2180	1580	1860	1580	1770
820	1060	1660	2020	2170	2410	1680	1860	1500	1730
820	1090	1620	2020	2170	2320	1810	1860	1460	1560
820	1110	1710	1970	2320	2320	1860	1900	1180	1720
820	1110	1620	2020	2320	2300	1860	1810	1420	1720
820	1040	1710	1970	2320	2300	1810	1720	1460	1710
820	1060	1710	1970	2320	2250	1420	1680	1420	1710
845	1060	1660	1970	2270	2000	1340	1810	1380	1700
940	1060	1710	2020	2170	2170	1460	1810	1500	1690
1020	1000	1800	2020	2120	2360	1500	1860	1380	1520
1020	960	2240	1920	2220	2310	1500	1810	1150	1690
1110	940	1980	1920	2270	2280	1540	1720	1040	1680
4360	980	1840	1970	2220	2290	1580	1680	1380	1670
2630	1040	1800	2020	2220	2300	1260	1860	1380	1660
1710	1020	1800	1920	2220	2060	1340	1720	1150	1650
1290	1020	1940	2020	2070	2210	1500	1860	1340	1640
1060	1040	1940	1970	2220	2370	1500	1760	1300	1480
1060	1020	1710	2120	2220	2350	1580	1720	1120	1640
1060	1000	1760	2420	2120	2290	2660	1760	1380	1700
1060	960	1840	2370	2170	2310	2780	1680	1460	1650
1060	1020	1800	2270	2170	2270	2000	1760	1340	1680
1020	1020	1800	2220	2120	1970	1900	1860	1300	1620
980	1020	1890	2170	1970	2170	1810	1860	1300	1600
980	1020	1840	2120	2170	2210	1680	1860	1300	1900
980	1020	1840	2020	2170	2220	1680	1900	940	1820
980	1020	1800	2070	2220	2250	1680	1900	1220	1780
940	1020	1890	2020	2270	2240	1580	1680	1180	1750
980	1020	1800	2070	2370	2230	1420	1860	1220	1770
980	1000	1800	2070	2420	2130	1630	1860	1340	1670
1020	980	1800	2120	2320	2320	1630	1860	1340	1540
940	985	1800	2020	2470	2400	1460	1950	1300	1330
940	990	2030	2020	2580	2320	1380	2000	1010	1590
940	995	1940	2120	2520	2350	1340	1810	1180	1630
940	1000	1940	2070	2520	2250	1260	2100	1220	1610
940	1040	1800	2270	2520	2210	1630	1680	1180	1600
940	1020	1800	2320	2520	2000	1580	1900	1260	1660

1922	1923	1924	1925	1926	1927	1928	1929	1930	1931
1560	1240	1570	1110	1950	1930	1710	1400	2180	2540
1300	1400	1710	1140	1860	1880	1430	1480	2200	2420
1570	1780	1710	1110	1660	1850	1750	1490	2180	2400
1550	2040	1910	1110	1350	1680	1890	1480	2200	2320
1600	1880	1810	1030	1640	1820	1860	1520	2160	1600
1610	1710	1740	1380	1960	1800	1880	1460	2050	2060
1600	1520	1690	1420	2130	1680	1900	1320	2170	2350
1370	1320	1850	1390	2020	1810	1760	1270	2200	2390
1160	1580	1760	1410	1740	1560	1340	1480	2160	2380
1240	1700	1720	1380	1600	2560	1770	1500	2220	2420
1410	1760	1670	1230	1480	2200	1860	1500	2180	2380
1520	1800	1720	1150	1980	1960	1870	1500	2100	1800
1470	1860	1530	1220	1930	1640	1900	1470	1920	2060
1550	1720	1340	1520	1860	1620	1960	1320	2200	2380
1410	1320	1710	1260	1800	1610	1860	1310	2160	2460
1710	1620	1700	1320	1770	1470	1400	1420	2180	2460
2140	1740	1800	1350	1640	1580	1770	1640	2160	2430
2540	1730	1800	1220	1440	1880	1940	1660	2130	2440
2350	1680	1800	1400	1600	1730	1950	1690	2210	2390
2460	1700	1800	1340	1650	1620	1970	1740	2040	2370
1820	1600	1700	1330	1660	1600	1960	1560	2200	2450
1300	1360	1700	1320	1650	1690	1840	1710	2220	2470
1170	1660	1700	1330	1670	1560	1450	1760	2200	2430
1400	1650	1700	1420	1620	1500	1860	1750	2180	2450
1530	1680	1700	1270	1300	1540	2010	1700	2130	2430
1580	1640	1700	1280	1560	1650	2030	1680	2080	2200
1840	1960	1700	1280	1590	1650	2280	1600	1810	2390
1690	1900	1550	2320	1560	1620	1990	1440	2100	2420
1650	1360	1550	5560	1540	1620	1620	1500	2070	2420
1450	1600	1770	2380	1560	1500	1580	1600	2040	2420
1480	1630	1910	1870	1530	1440	1840	1650	2060	2440
1640	1760	1770	1640	1320	1480	1500	1580	2080	2420
1600	1740	1710	1550	1600	1580	1620	1550	2050	2320
1580	1670	1640	1550	1750	1560	1610	1910	1740	2420
1560	1700	1330	1550	1780	1610	1460	1840	2080	2400
1490	1390	1670	1550	1740	1590	1420	1580	2060	2540
1280	1550	1750	1550	1720	1490	1280	1830	2030	2520
1280	3760	1710	1550	1670	1440	1600	1900	2020	2360
1550	4800	1740	2680	1420	1500	2610	1790	1990	2350
1540	4330	1700	7180	1630	1630	11500	1740	1860	2530
1570	4360	1670	6410	2160	1660	13600	1600	1540	2460
1300	3780	1190	3070	2030	1640	4260	1550	1680	2560
1400	2820	1520	2510	2740	2390	2940	1520	1840	2420
1320	2740	1840	2100	2740	2580	7880	1860	1860	2600
1440	2560	1840	1940	2400	2110	5540	2540	1880	2760
1560	2380	1850	1860	2000	1740	4120	2320	1890	2600
1600	2480	1750	1600	1940	1900	3340	1860	1790	3180
1560	2430	1760	1660	2420	1860	3000	1700	1500	4630
1590	2270	1220	1650	2300	1860	2640	1560	1800	2600
1490	2740	1710	1650	2180	2210	2660	1570	1860	2700
1290	2100	1800	1650	2020	3470	3920	1540	1820	2680
1570	2080	1800	1650	2000	2380	6780	1500	1540	2570
2060	1980	1840	1650	1770	4520	4480	1610	1420	2440

2230	1960	1780	1650	1820	11600	3190	1520	1400	2240
1740	1940	1690	1650	1920	32800	2820	1540	1300	1580
1910	1850	1230	1650	1900	18600	2690	1380	1490	2360
2040	1380	1400	1650	1820	18200	3180	1480	1460	2320
1740	1670	1510	1650	1810	24300	2850	1560	1440	2240
2050	1700	1470	1650	1900	18600	2780	1540	1320	1380
1970	1810	1240	1650	1820	19400	3360	1470	1400	2000
1980	1800	1520	1650	1820	16300	2820	1360	1440	1940
2240	2000	1590	1800	2990	12200	2820	1540	1370	1440
3280	2000	1300	1800	6340	10600	2550	1500	1400	2320
2120	2000	1320	1800	3620	11900	2340	1520	1340	2360
1650	2240	1490	1800	2600	8900	2070	1560	1320	2360
1990	2250	1450	1800	2350	7080	2040	1520	1380	2400
2500	6660	1460	1800	2240	6120	2160	1470	1390	2400
2700	5880	2370	1800	2000	5500	2100	1560	1220	1980
2560	4960	1830	2600	2060	4790	2100	1540	1200	1940
1770	3660	1500	2440	2040	4370	2140	1380	3140	2110
1830	7280	1280	2190	2060	3880	2400	2020	19000	2380
1500	7940	1450	2100	2000	3640	2000	2640	17700	2440
1740	13000	1530	1900	1920	3500	1600	2280	42900	2380
1910	17000	1520	1860	1720	3180	4000	2230	62200	2420
2020	12600	1720	1810	1740	3240	7000	1900	36200	1790
1930	8060	1620	1840	1830	3120	4200	1780	73400	2060
1930	6420	1190	2110	1820	3000	2500	1560	38400	2120
1890	5830	1820	1960	1770	2980	2040	1560	17100	2170
1820	5360	1630	1870	1980	3180	1880	1600	12000	2170
1730	4920	1670	2800	2200	2800	1720	1640	9300	2290
2300	4350	1580	2800	1950	2620	1900	1700	7400	2340
2420	4130	1640	2800	1810	2920	1920	1640	6300	1820
3370	3830	1790	2800	1910	2810	1960	1620	5740	2090
3720	4060	1140	2800	1930	2740	1940	1510	4670	2400
4880	4080	1420	2190	1930	2480	1780	1530	4550	2560
5660	3750	1240	1770	1700	2350	1930	2360	3740	1860
7120	4240	1350	1610	1580	2160	1540	2160	3520	2360
9860	5700	1450	1860	1520	2120	1840	2060	3420	2560
6140	13500	1360	1940	1660	2400	2560	3000	3320	2230
3840	8120	1300	2080	1780	2360	5440	3000	3220	2260
3490	7340	1330	3800	1770	2270	3460	2460	3020	2340
4140	10000	1400	4110	1760	2320	2980	2100	2930	2330
5740	8980	1260	3100	1580	2200	2970	2000	2750	2680
8950	6920	1030	2680	1340	4680	3580	1960	2660	3340
5580	5840	1480	2490	1680	8640	4080	2130	2570	2910
4260	5500	1630	2320	1590	7600	3990	2080	3890	2460
3380	6040	1450	2290	1550	6580	3580	1900	5240	2800
3630	5120	1130	2360	1840	10000	3380	1800	4430	2640
3290	4800	1290	2280	1580	7860	3020	1730	4310	2600
2580	4720	1440	2180	1600	6340	2890	1800	3630	2400
3020	4460	1440	2090	1540	5300	2920	1800	3520	2640
2630	3920	1440	2030	1280	4950	3060	1860	3420	2500
2810	3760	1440	1890	1340	5500	3040	1840	3120	2500
2760	3500	1440	1760	1530	5500	3000	1780	3120	2570
2720	3490	1150	2000	1530	4790	3070	1740	3020	2620
2660	3080	1280	2230	1700	4370	3120	1860	3120	2570
2530	3070	1350	2150	1940	4500	2820	1960	3220	2550
2410	3100	1500	2080	1880	5120	2580	1940	8180	2620

2540	6180	1500	1900	1820	4370	2690	1900	8180	2740
2400	7000	1500	1840	1760	4370	2620	1980	9900	2640
2190	6300	1500	1750	1690	4640	2600	2240	7660	2500
2300	5660	1400	1920	1630	6340	2590	1920	6960	2590
2200	4880	1400	1960	1570	5300	2460	2020	6520	2580
1980	5380	1400	1960	1560	4240	2680	2020	5560	2700
2020	7440	1400	2000	1560	3750	2790	1960	4940	8270
2110	6050	1400	2100	1540	3630	2940	1920	4670	5690
2380	5190	1400	2960	1420	3630	2810	1990	4550	3790
2600	4790	1400	2760	1550	3630	2720	1930	4190	3060
2520	4300	3010	2920	1520	3870	2680	1800	4310	2960
2350	4570	4560	3600	1790	5900	2640	1960	4190	3040
1960	4420	2760	3280	9240	6340	4240	2260	4070	3020
1920	4100	2280	3400	6820	5120	6100	2560	4190	2830
2670	3820	2090	4290	12900	4500	5410	2540	4310	2780
2600	3640	2020	3710	10300	4640	5180	2510	3960	2560
2250	3520	2880	3400	7080	6580	9000	4830	4430	2800
2370	3500	2380	7000	12100	21300	16300	6540	4800	2870
2250	3300	2030	39200	36900	25800	18700	11600	4800	2560
2200	3260	2040	37900	30200	16300	12200	7140	4670	2410
2380	3340	2500	48400	20000	13800	9250	5860	4940	2400
2440	3340	20100	25800	13600	12600	7700	4220	5560	2350
3810	3430	31200	20400	10500	10300	6750	3400	5740	2260
10400	3310	10900	13800	8500	8900	6060	3140	5740	2300
8350	3100	6580	10300	8500	7600	5470	2730	5560	2260
6080	3020	4790	9160	8500	6820	4880	2620	5560	2320
4200	3440	4010	10300	9060	6120	4420	2680	5560	2280
3500	3340	3530	10000	7980	5500	4160	2560	5560	2320
3250	3300	3200	8900	7740	5900	4200	2620	5400	2840
3150	3260	2980	7860	7280	9440	4110	2510	5560	2760
3910	3280	2690	6580	7980	22100	3890	2480	5560	2500
4300	3130	2360	6120	6620	26300	3690	2340	5400	2480
7490	3050	2220	5540	5880	37900	3600	2340	5560	2480
24100	3460	2280	5200	9460	30200	3400	2500	5560	3700
20600	3340	2230	6340	10500	29100	3360	2480	8180	2940
11300	3660	2180	8640	7500	80300	3470	2560	7660	2660
8700	3920	2030	7340	6230	60000	3290	2410	10200	2380
7140	4310	1870	10300	5880	38700	3330	2390	12400	2240
6440	4580	1900	8640	5540	25400	3400	2340	9600	2370
9070	4690	1710	7600	5030	22200	3700	2320	9300	2430
15200	4760	1880	6820	4870	22700	3310	2640	8180	2460
11000	4650	1860	6340	4870	20700	3110	3100	7180	2560
8420	4630	1700	5720	4870	17800	3390	3080	6740	2380
999999	999999	1700	999999	999999	999999	3760	999999	999999	999999
6980	4860	1700	5370	5030	15400	3770	2840	5920	2270
5980	5100	1700	5030	5200	13500	3780	2880	5560	2290
5450	5540	1700	5030	5200	12300	4400	2760	5920	2080
6200	5080	1700	5200	5200	11700	4920	3360	12800	2120
5920	4720	1700	5540	5370	10800	4900	3440	19100	1990
5380	4630	1700	5720	5540	10200	4900	3550	15800	1950
5300	4300	1700	5540	5540	9900	4750	3780	12400	1450
5100	4370	1700	4870	5540	9900	5760	3860	10200	1620
4940	4540	1700	4720	6620	10500	7960	4060	8700	1590
5120	4520	1700	4720	6230	9620	7460	10400	8180	1920
5650	3960	1700	4330	5880	8780	6560	8070	7920	3740

5440	4030	1500	4210	5540	8240	6360	6400	7920	6030
4970	4000	1480	4090	5540	12800	6160	5460	8180	5150
5050	4080	1440	3980	5880	21400	5760	4910	8440	3790
7100	3770	1380	3760	6420	17000	5400	4510	8180	3220
10600	3830	1370	3980	6620	14600	5060	4240	7400	3130
8800	3870	1230	4210	6620	12300	4900	4130	6960	3100
7510	3960	1360	4210	6230	11100	4900	4310	6520	7270
6760	4520	1340	4210	5710	9900	4900	4450	6520	8440
6570	5170	1360	4450	5540	9060	5580	4340	6520	6100
6640	5200	1400	5200	5200	8500	5580	4400	6520	5310
7180	5120	1320	5920	5200	8240	6990	4820	6520	5020
7860	5060	1500	5920	5370	8500	25400	5240	6740	4460
8740	4910	1440	6120	5880	9060	44000	4770	7400	4140
9140	5120	1640	5920	5710	9620	89000	4520	8180	3630
9050	5120	1670	5540	5540	9620	122000	4320	8700	3550
8630	5700	1710	5720	5200	9620	110000	4200	9900	3190
9770	6580	1690	6120	4870	9340	57800	4330	9900	3060
10700	7340	1790	5720	4580	8780	35000	4420	9900	2520
10600	6820	1640	5540	4870	8780	23300	5000	10200	2320
12700	7080	1530	6820	4720	9620	18600	4440	9900	2300
12400	7540	1830	5920	4870	17200	17200	4400	9000	2420
14000	7460	1800	5200	4580	26300	16800	4280	8440	2780
11900	7060	2090	5200	4580	23800	14800	4460	8180	2650
11700	6350	2130	5920	5280	22300	13200	4980	7920	2450
11500	14400	1980	5200	26000	19200	12800	5220	7920	2480
11300	19600	2070	5200	31100	16200	12800	4740	8180	2220
10900	16100	2530	5540	38100	15000	12800	4180	8180	2370
12000	13200	2880	5920	43800	14600	12800	4300	9000	2380
12000	10700	2920	6120	31100	13800	12400	4420	9000	2220
11100	10900	2840	6340	20800	12200	12000	3960	8180	2260
10600	10800	2770	8900	16800	11400	11300	4000	7660	2230
10200	10900	2650	8900	14400	10400	11000	3790	7180	2080
9070	10900	2410	7860	12400	9700	10700	3580	9300	2260
8550	10400	2510	8120	11400	9400	10000	3720	12000	2160
8320	10200	2460	9720	10500	9400	9440	3430	11200	1950
7840	10400	2220	11200	9900	9400	9440	3520	10900	1890
7830	10200	2070	11600	9060	8800	10000	3760	10200	1890
7420	9370	2040	8900	9060	8800	9140	3960	9600	1910
7790	8900	1970	10300	7980	9100	8280	4480	9300	1960
9590	8670	1810	10000	7500	9100	7760	5400	9900	1900
12700	8240	1880	8900	7060	9100	7280	4620	9600	1920
16600	7420	2080	8640	6840	10000	7040	4700	9600	1870
19600	7150	2040	8120	6620	10800	7280	4640	9900	2040
21800	6680	2080	7600	6420	12600	7520	4460	9600	1950
22900	6550	1910	7600	6230	14600	7040	4460	8700	2000
23400	6810	1780	7340	6230	16600	6800	4460	8700	1950
24600	6680	1650	7340	6230	17400	7040	4600	7660	2180
24600	7100	1520	7860	6230	16600	7040	4820	7400	2260
22900	6800	1750	7860	6050	16200	7040	4630	7180	2220
21800	6780	1700	7860	5880	15400	7280	4960	6520	2180
21800	6650	1680	7860	5710	13800	7760	5390	6300	2200
23400	6810	1670	7860	5370	12200	7520	5800	6520	2190
24600	6760	1640	7860	4870	12600	6800	6560	8440	2040
26400	6840	1450	7860	5200	12200	6360	6560	7660	2020
28900	7550	1350	7860	7980	12200	6360	6320	7180	1900

31500	7620	1490	7600	7280	12600	6360	5880	6960	1980
32200	8190	1470	7340	7500	11100	6360	5880	6740	1740
30800	8550	1410	6340	6050	10000	6580	5880	6520	1590
25800	8570	1420	5920	5540	9400	6580	5680	6100	1520
19600	8530	1390	5370	4870	9100	6580	5680	5920	1560
16100	7820	1250	5370	4870	9100	6580	5480	5920	1700
15200	7100	1230	5720	4580	9400	6360	5280	5560	1660
16100	6850	1410	7080	4210	10800	5740	5480	5560	1740
20200	7050	1320	5920	4090	11800	5350	5680	5560	1820
25200	7130	1320	5540	3870	12200	5160	6100	5400	1590
27600	7470	1260	5720	3650	12600	4800	6100	5400	1590
27600	7310	1290	5370	3410	12600	4470	6320	5920	1590
28900	6630	1080	5290	3500	10800	4240	6100	5740	1560
28900	6120	1070	4790	3460	10000	4210	4920	5560	1520
32900	5260	1180	5310	3380	9700	3940	5480	5740	1480
27600	5060	1240	5360	3240	8220	4000	5280	5400	1480
24600	5110	1180	4920	3060	7220	4000	5320	4940	1520
23400	5040	1140	4660	2910	7000	3900	4940	4800	1480
23400	4960	990	4240	2840	7220	3860	4660	4670	1450
22900	4710	970	4020	2900	7460	3700	4080	4190	1980
19000	4330	890	4100	2740	7700	3470	3370	4070	2100
18000	3760	1080	3940	2590	7460	3160	2900	4190	1820
18600	3850	990	3620	2580	7220	3100	2760	4190	1450
19000	4250	1000	3620	2440	6360	3080	2600	4550	1310
19600	4510	950	3180	2460	5960	2850	2480	4070	1310
21200	4100	820	3340	2260	5580	2760	2460	3850	1310
21200	3720	880	3430	2220	5760	2820	2540	4430	1310
20700	3540	870	3650	2300	5960	2600	2300	4550	1310
20200	3320	1000	3940	2300	5960	2440	2440	3380	1310
19000	3250	1060	4160	2270	5960	2250	2450	3290	1310
18000	3360	1030	3670	2160	5960	2420	2360	3170	1310
17000	3230	1000	3580	1980	5960	2360	2500	3100	1310
15600	3680	970	3290	1940	6160	2380	2420	3020	1310
15200	3530	860	3020	2100	7220	2380	2500	2820	1310
13500	3310	900	3070	2240	6560	2200	2260	2750	1310
12700	3290	1000	2940	2100	6160	2130	2560	2990	1280
12000	3220	1020	2810	2020	5960	2040	2420	2840	1280
11300	3140	1040	2780	1960	5760	2230	2260	2770	1240
10900	3040	970	2660	1780	5580	2190	2250	2660	1240
9720	2810	940	2460	1750	5400	2140	2230	2510	1240
10100	2880	850	2430	1900	5220	2080	2850	2300	1310
9990	2730	860	2520	1920	4900	2000	5180	2340	1420
10000	2320	940	2420	1880	4600	1950	3960	2400	1340
9380	2640	980	2740	1860	4140	1820	3190	2260	1200
9050	2680	960	2620	1800	3600	1920	2740	2300	1240
8520	2710	910	2460	1710	3510	1860	2500	2300	1240
7870	2550	950	2130	1870	3430	1980	2380	2200	1200
7040	2530	830	2310	1790	3260	2080	2260	1940	1240
6430	3750	780	2410	1820	3080	1900	2090	2020	1170
6080	3850	990	2370	1830	3030	1700	2060	2120	1200
5720	3600	930	2320	1760	2830	1740	2190	2040	1240
5580	2890	920	2190	1720	2620	1920	2320	2020	1340
5520	2640	920	1960	1620	2740	1960	2140	1970	1240
5240	2570	870	1810	1760	2580	2040	2100	1930	1170
4850	2450	780	1840	1820	2580	2090	2020	1730	1170

4450	2300	720	1910	1850	2540	2020	1820	1820	1170
3990	2040	920	1880	1700	2380	1860	1740	1980	1200
3820	2100	930	1870	1670	2280	2040	1920	1890	1170
3620	2080	850	1760	1690	2160	2110	1930	1980	1140
3550	1770	790	1790	1660	2140	1740	1640	1800	1170
3590	2030	760	1660	1700	2170	2080	1840	1730	1240
3370	2240	790	1800	1870	2180	2110	1770	1700	1200
3370	2000	770	1940	1860	2060	2030	1740	1840	1240
3070	1540	940	2010	1990	2170	1680	1800	1880	1280
2790	2160	910	1890	1970	2100	2030	1820	1950	1280
2830	2070	870	1860	1940	2060	1980	1780	1930	1240
2920	2060	840	1790	1720	2200	2050	1800	1960	1240
2820	2120	830	1520	2030	2160	1980	1780	1890	1280
2700	2020	730	1760	1970	2160	2040	1700	1720	1240
2660	1860	980	1830	1900	2100	2020	1670	1910	1280
2490	1530	940	1760	1970	2250	1620	1730	1900	1280
2090	1880	890	1790	1870	2090	1900	1710	1860	1240
2400	2010	930	1820	1900	1960	2020	1710	1860	1240
2380	2000	830	1710	1570	2230	2070	1720	1860	1240
2550	2040	910	1540	1880	2180	2040	1720	1820	1200
2500	1970	730	1820	1880	2140	2060	2000	1670	1200
2480	1780	850	1840	1880	2150	2050	2060	1940	1200
2300	1400	870	1820	1900	2110	1600	2100	2000	1170
1970	1780	860	1830	1960	2020	1940	2130	2000	1170
2220	1840	870	1790	1980	2080	2040	2170	2000	1310
2300	1890	870	1670	1620	2260	2020	2260	2000	1200
2310	1820	830	1500	1890	2040	2070	2340	1920	1170
2240	1840	730	1770	1800	2100	2140	2320	1660	1170
2250	1770	840	1770	1780	1940	2160	2050	1930	1170
2170	1180	830	1700	1810	1980	1670	2130	1980	1170
1860	1840	850	1800	1840	1740	1980	2280	1980	1170
1880	1820	870	1690	1920	1750	2140	2270	1960	1480
2060	1870	900	1610	1620	1900	2080	2270	1940	1480
2080	1840	880	1380	1920	1870	2200	2260	1890	1310
2020	1800	810	1650	1800	1840	1950	2260	1640	1280
1990	1800	910	1690	1820	1740	1600	2000	1890	1200
1950	1140	920	1680	1810	1940	1480	2120	1920	1170
1460	1710	910	1710	1840	1810	1590	2220	1900	1170
1920	1900	900	1690	1860	1680	1630	2260	1940	1170
1860	1860	940	1580	1600	1930	1600	2200	1890	1170
1850	1770	930	1410	1820	1800	1590	2240	1860	1200
1850	1540	800	1640	1810	1890	1580	2240	1640	1170
1770	1700	890	1840	1860	1760	1510	2090	1800	1170
1740	1190	910	1970	1840	1950	1480	2100	1880	1170
1420	1710	890	1910	1870	1830	1590	2160	1940	1170
1740	2230	1080	1870	1830	1760	1580	2080	1950	1170
1620	2220	1150	1690	1560	1860	1660	2260	1980	1170
1850	1870	960	1430	1940	1920	1680	2200	1920	1140
1770	1860	1340	1640	1820	1940	1670	2190	1630	1170
1750	1640	1190	1680	1850	1920	1690	1960	1820	1170
1710	1160	980	1730	1840	2060	1560	2190	1900	1170
1380	1700	1020	1670	1860	1860	1860	2290	1920	1170
1560	1830	990	1720	1890	1720	1820	2200	1940	1140
1800	1790	950	1670	1600	1870	1620	2220	1980	1140
1660	1810	910	1470	1880	1920	1600	2200	1930	1170

1700	1690	1050	1800	1810	1940	1600	2220	1680	1140
1670	1610	1060	1740	1820	1900	1600	2070	1700	1140
1740	1150	900	1710	1840	1860	1470	2160	1960	1140
1420	1610	910	1710	1860	1780	1700	2200	1960	1140
1510	1580	870	1670	1920	1620	1680	2230	2100	1140
1620	1700	860	1630	1590	2000	1660	2200	2130	1140
1640	1800	870	1670	1930	1910	1690	2180	2180	1170
1610	1830	960	1610	1960	1860	1660	2200	1870	1140
1640	1580	810	1740	1980	1860	1630	2020	1670	1100
1520	1120	870	1640	1950	1880	1580	1940	2020	1140
1310	1030	880	1580	1930	1760	1610	2080	2110	1140
1310	1650	870	1640	1950	1620	1660	2210	2170	1100
1650	1740	890	1560	1550	1820	1540	2170	2170	1170
1760	1710	890	1420	1480	1930	1540	2200	2260	1140
1650	1720	1010	1480	1860	1900	1380	2200	2160	1100
1640	1570	830	1760	1910	1860	1370	2070	2160	1140
1980	1030	1040	1680	1790	1780	1460	2060	2160	1200
2120	1120	960	1860	1890	1930	1460	2140	2300	1280
1700	1700	1030	1930	1900	1460	1510	2190	2320	1240
1590	1660	1030	1720	1540	1660	1400	2210	2250	1280
1640	1750	1040	1650	1900	1880	1500	2220	2310	1170
1500	1640	1030	1580	1920	1930	1400	2230	2220	1200
1660	1540	890	1870	1940	1870	1310	2050	2140	1240
1620	1010	1060	1800	1990	1870	1270	2120	2220	1170
1200	1560	1040	2000	1990	1710	1280	2180	2320	1100
1580	1570	1050	2020	1960	1360	1350	2180	2380	1100
1520	1640	1050	1510	1680	1830	1460	2140	2400	1010
1560	1690	1050	1640	1890	1840	1400	2200	2320	1000
1540	1690	1020	1920	2010	1850	1300	2180	1580	1000
1460	1590	850	1770	1940	1830	1300	2040	1990	1170
1460	1240	1070	1760	1940	1830	1300	2140	2370	1170
1250	1690	1070	1720	1920	1720	1300	2160	2420	1140
1460	1870	1080	1720	1880	1460	1390	2180	2420	1170
1520	2700	1130	1530	1540	1820	1440	2160	2280	1070
1570	2080	1100	1330	1810	1840	1410	2180	2290	950
1480	1850	960	1840	1930	1840	1390	2160	1560	950
1520	1680	1000	1870	1900	1880	1380	1940	2090	1070
1420	1200	1160	1840	1960	1840	1210	2100	2500	1040

1932	1933	1934	1935	1936	1937	1938	1939	1940	1941
1050	605	1320	1230	1520	2340	1640	1840	1440	2330
1230	600	1290	1340	1570	2290	1640	1890	1670	2290
1110	577	1460	1280	1670	1790	1840	2220	1640	2310
910	615	1490	1290	1620	1560	1840	2220	1580	2310
900	665	1460	1290	1620	1740	1740	1960	1530	2300
940	745	1460	1280	1500	1990	1890	1740	1740	2150
1190	888	1410	1220	1580	1840	1840	1860	1500	2270
1260	766	1360	1280	1690	1790	1840	1720	790	2340
1020	792	1330	1290	1740	1640	1640	1540	1240	2350
900	786	1450	1280	1650	1640	1690	1800	1520	2510
870	1090	1380	1340	1580	1510	1990	1960	1640	2570
850	1090	1410	1330	1820	1560	1840	2080	1620	2550
935	1070	1380	1270	1680	1790	2240	2140	1630	2400
1130	1030	1380	1280	1760	1740	2340	2100	1420	2530
1290	826	1240	1260	2220	1790	2540	2260	1050	2540
1140	635	1310	1500	2140	1790	2090	2330	1240	2650
950	635	1370	1940	1910	1690	1740	2050	1500	2660
815	645	1390	1540	1780	1460	1890	2140	1530	2650
720	746	1420	1370	1700	1600	2140	2140	1540	2650
1130	774	1400	1390	1680	1690	2240	2180	1540	2480
1140	690	1400	1530	1650	1840	2290	2350	1430	2600
1680	660	1390	1970	1720	1640	2240	1680	895	2680
3930	670	1410	1580	1750	1640	2090	1410	1220	2650
2060	675	1500	1550	1670	1690	1840	1990	1650	3040
1210	660	1510	1410	1740	1510	2240	2780	1580	2280
1830	635	1500	1360	1630	1560	2390	2360	1320	1620
1440	645	1600	1420	1600	1790	2390	2230	1300	1210
1300	650	1440	1410	1720	1840	2340	2100	1040	2040
1110	720	1540	1370	1770	1790	2340	2340	1190	2240
1040	750	3660	1380	1810	1790	2190	2860	1360	2320
880	750	3790	1560	1780	1510	2190	2730	1380	2190
705	750	2330	2030	1570	1510	2190	3200	1370	3010
775	800	1980	1850	1580	1600	2490	2980	1260	3900
1140	830	1890	1900	1130	1640	2440	2700	954	2180
1230	739	1820	2130	1850	1640	2440	2590	912	2720
1220	717	1660	2010	1610	1640	2440	2590	615	2210
1230	712	1640	1740	1490	1640	2340	2460	892	2870
1010	695	1660	1620	1340	1600	2190	2520	1430	5260
725	685	1670	1590	1400	1380	2290	2300	1410	4330
870	685	1440	1700	1480	1460	2390	2360	1380	3360
1260	685	1340	1690	1440	1740	2440	2320	1300	2660
1350	812	1460	1490	1640	1600	2860	2330	937	2750
1420	836	1540	1460	1280	1690	2980	2360	624	2550
1560	782	1490	1560	1670	1690	2390	2160	869	2400
1850	774	1670	1720	1720	1690	2700	2400	1590	2290
1540	824	1570	4070	1540	1510	3620	2240	1590	2090
1090	854	1690	3310	1670	1510	3030	2280	1630	1780
3380	973	1660	2550	1480	1640	10300	2250	1620	1370
2610	824	1530	3550	1690	1640	5570	2250	1500	2130
1990	1060	1520	4530	1650	1070	4400	2190	892	2210
1860	832	1640	2550	1560	810	20600	2200	1030	2320
1640	950	1630	1880	1520	735	14700	2260	1280	1990
1320	853	1620	1800	1620	765	7010	2290	1350	1740

1120	1050	1540	2510	1890	842	11100	2340	1070	2110
1620	862	1550	2620	1360	1220	11400	1700	708	1680
1490	808	1530	1730	1650	1690	7290	2040	884	1910
1360	740	1440	1570	1540	1100	5610	1980	912	2100
1020	734	1530	1410	1620	720	5070	1890	1170	2100
1340	872	1490	1360	1410	1140	4050	2240	1230	2100
1200	1340	1510	1120	1310	765	3930	2930	1310	2100
1080	1520	1340	1250	1610	916	4110	2930	1340	2020
1450	1180	1460	1350	1510	1220	3930	3250	1340	1740
1420	1130	1450	1360	1650	1220	3690	3380	1020	1920
1440	1130	1900	1290	1740	1380	3510	6080	966	2060
1440	1150	1730	1840	1810	1420	3330	4280	1630	2020
1470	1390	1680	1800	1860	1420	3150	3350	1570	2040
1300	1200	1620	1480	1890	1000	3210	3000	1580	1870
1240	1380	1610	1750	2000	1070	3210	3230	1740	2030
1580	1300	1620	1520	1930	1380	3150	3320	1660	1560
1560	1320	1600	1230	1990	1340	3570	3200	1870	1820
1590	1280	1590	1430	1930	1140	77800	3100	3530	1960
1650	1210	1610	1790	2180	1260	145000	2950	5930	2000
1560	1330	3590	1790	3490	1000	63400	2880	2410	1990
1510	1430	8470	1870	2480	705	35200	2920	2290	1870
1520	1190	5440	4080	2320	948	24400	2880	1900	1780
1530	1430	3590	3620	2100	1380	17100	2980	1730	1630
1520	1370	2560	2510	2260	1600	14800	3040	1320	1960
1550	1490	1910	2320	2370	1600	13300	3020	966	3510
1560	1510	1760	2250	2370	1510	12100	2960	1280	14100
1490	1710	1680	2050	2420	1510	11000	2860	1560	8420
1350	1760	1740	1980	2420	1020	10200	3110	1930	5130
1740	1890	1730	1930	2540	1140	9970	3110	1580	16000
2330	1420	1600	1760	1980	1460	9700	3080	1500	22900
3320	1890	1460	1450	2260	1340	9160	3020	1330	25800
16100	1570	1360	1300	2420	1380	8720	2530	966	25000
8390	900	1320	1430	1770	780	8400	2030	772	18300
6170	700	1260	1520	2040	948	8080	1560	1150	21100
14800	1200	1200	2750	2420	1180	7840	2280	1250	40400
12000	1430	1290	2350	2260	1380	7680	2670	1360	24800
7040	1390	4000	2300	2890	1640	7440	2670	1460	19000
4880	1150	10700	3330	2890	1740	7280	2520	1780	16100
11800	1190	7720	2890	2950	1740	6190	2200	2010	12400
9700	1160	13800	2560	2370	1510	5180	2120	7720	9880
6520	800	13400	2360	2710	965	5500	1960	23000	8100
5040	1800	8480	2330	2650	1300	5640	2320	10100	7380
3970	1930	6780	8200	3130	1300	4980	2210	12700	6900
3340	1730	5740	10500	2830	1560	4790	5180	7940	6700
3080	1820	4480	5580	2590	1690	4600	3380	6100	7700
2900	1840	3740	5230	2370	1510	4460	2520	5650	12000
2750	1610	3410	6370	2950	1340	4280	2270	17900	11400
2500	1480	3200	6690	7320	1220	3860	2160	20500	9660
2380	1770	3000	6450	15400	1460	3920	2370	15900	9030
2480	1810	2630	4520	34900	1740	3800	2280	15000	8500
3140	1750	2540	3900	14100	2290	3680	2120	13500	7820
3440	1670	2450	3240	9720	1690	3680	2030	9260	9210
2840	1660	2210	4950	18600	1840	3200	2100	7020	15500
2780	1610	2450	3800	46400	1600	5050	2080	5860	14200
2680	1670	2630	3880	35400	1560	4860	2080	5400	12600

3130	1730	2450	3640	17900	1220	10200	2020	4800	10800
2930	1830	2450	3410	12200	1340	9340	2160	4470	9660
3600	2070	2370	3070	9090	1340	8080	2160	4260	8850
3210	1990	2540	2850	7480	1070	7200	2140	3810	8670
2800	2000	2170	2660	6420	1260	6190	2200	3300	9340
2610	2060	2050	2840	5710	1260	5770	2190	3540	12600
2590	2200	2450	2960	4940	1300	5640	1950	3690	13100
2200	2400	2810	2720	4490	895	5310	2120	3630	14100
2600	2370	2540	2650	4230	1100	4860	2180	6580	22500
2380	2120	2450	2540	3850	1340	4660	2380	22100	26100
2320	3120	2370	2400	3730	1070	4530	2570	15000	16900
2760	2580	2370	2380	3970	1510	4720	2860	10800	13900
2420	2830	2370	2620	3550	1100	4460	2760	9260	12000
3140	2460	2450	2640	3370	1220	4100	3350	7860	11000
4040	2240	2450	2550	3250	1070	5950	2660	7020	9930
3680	1950	2630	2640	3370	1000	11700	2660	6700	9080
2620	2110	2540	2840	3130	1890	18200	2630	6280	8580
2380	1920	2370	2960	2950	1690	17400	2840	11300	8100
2220	1530	2130	3130	3130	6160	13000	2730	15500	7860
2920	1750	2170	3320	3190	7220	12400	2410	16600	7620
3910	1960	3000	4310	3370	5640	14100	3780	17100	8580
3980	2040	4220	5910	3370	3860	13900	3220	16000	8140
3800	1980	6780	5670	3130	2590	24000	3180	13000	9210
4030	2120	5140	5060	3010	2040	24800	2810	10600	15900
4060	1880	4220	4350	3130	2090	27400	2880	9080	43900
4010	1980	3520	4340	5120	2340	26200	2770	7940	70400
3520	1970	3100	3820	16800	3200	19400	2460	7060	43700
3260	1830	3000	3720	22800	5110	19700	2460	6980	28800
3100	2030	2810	3650	21800	13100	18800	2660	9040	22300
2780	2050	2900	3240	17400	6640	16000	2230	7420	19600
2610	1940	4100	3000	21700	4600	13500	2380	6380	18200
2440	1860	3630	2700	17700	3560	11500	2440	7300	16400
2290	1400	3300	2970	15200	3320	11500	2300	7220	16500
2200	1240	5660	2800	13600	3080	11200	2380	6320	15600
2140	1700	8240	3020	16300	2920	10500	2180	5820	16500
2080	1720	6780	3270	46700	2860	10200	2420	5540	16700
2080	1240	6420	3410	54200	3080	10100	1620	5200	16400
2060	1350	7180	3790	37100	3260	10200	2020	4860	15900
2140	1350	6600	3420	26700	3560	10200	2270	5160	17700
2220	1260	5740	3470	19600	4160	10500	1980	8020	16000
2320	1150	7800	3230	15600	3560	10600	1930	24200	14600
2850	1360	8020	3040	14300	3080	10500	2280	113000	15900
3530	1320	6780	4510	13500	2860	10600	2480	120000	24000
4420	999999	999999	999999	12900	999999	999999	999999	68800	999999
4030	1460	5900	7180	12300	2860	14400	2460	45400	36900
3880	1820	5140	6380	12300	3030	22100	2160	31400	32000
3900	2340	4870	5020	12500	3620	22400	2320	23400	25900
3240	2250	4740	4880	12500	4100	17000	2040	19100	23300
3380	1920	4740	4380	12400	4220	14500	1610	16900	20500
3360	1820	4740	5770	11700	4340	13600	1910	15200	18100
3660	1910	4610	7560	11300	4720	13000	2180	14000	16500
4260	2160	4100	5190	11000	5050	12100	3500	13300	15300
4490	2360	3980	4440	11000	5700	11600	4020	12400	14800
5800	2280	3860	4040	10200	6800	11100	2960	11900	14700
5740	2370	3630	3780	9700	8080	11100	2320	11300	14300

5820	4240	3630	3390	9250	14400	20300	2380	10400	14100
5660	5750	3740	3960	9340	14400	34700	4000	9590	13800
6100	4480	3630	4530	9340	10900	25700	5100	9010	13000
6460	3610	3740	5170	9070	8980	20300	4040	8680	12100
6740	5320	3630	4930	8980	7920	23200	3920	8620	11500
6880	4920	3410	4670	9070	8000	22700	4230	8200	11500
8120	4140	3410	4690	9160	8160	18800	4580	7940	11900
14100	3670	3630	4430	8980	7280	22000	4830	7860	11800
17400	3430	3520	4270	8800	6960	39300	5100	7840	11400
14500	3340	3980	4390	9160	10600	30800	5680	7890	10600
11700	3070	3740	4350	9160	9430	24200	6360	8210	9930
9440	2810	3740	4270	8480	7920	37100	6640	8160	9680
8660	2620	3860	3960	7840	10700	44500	6580	8420	9370
9980	2630	3520	4160	7200	7680	31700	6440	11300	9200
10600	2580	3630	4160	6640	6190	25000	7010	27200	8970
9740	2690	3860	4470	6120	6190	20400	7200	41300	8960
9760	6520	8040	4880	6400	5570	19000	6160	32500	9260
9900	6880	14100	5220	8720	5310	17600	5700	62300	11200
9600	5300	8960	6150	8240	5380	16300	5470	131000	12800
9540	4610	7580	7380	9430	5570	15000	5610	87300	15000
10400	4610	6070	8530	7520	6800	14200	5620	55200	14900
11700	4880	5580	9740	6800	10200	13800	5820	38000	15400
12500	5300	4870	17100	7680	9430	14100	6100	29000	15200
10600	5780	4480	24600	12900	8240	16300	6360	24600	28900
9460	5780	4220	22500	9250	7440	19200	6010	21100	21700
8020	5620	4100	19400	7680	8720	16900	5870	18800	16600
7360	5300	3980	32600	7280	7840	15600	5730	17900	15500
6840	5160	3740	51300	7680	7520	16100	5880	17400	14500
6770	4480	3520	34300	8000	8320	17800	5670	15900	14400
7120	3860	3860	24600	8240	8080	19400	5260	15000	14200
7280	3620	3860	19200	8800	7600	20600	5130	14000	13200
8030	3620	3740	17400	9700	7520	21300	5130	12700	12600
8410	3860	3740	16800	10200	10300	20600	4950	12600	12400
8520	3980	3300	17200	11000	14700	19600	4590	12800	12600
7840	4480	3630	27500	11400	18400	19600	4000	13700	12900
8600	4610	3300	29800	12300	17000	20400	3820	12900	13000
8200	4220	3300	25900	12900	13400	22100	4000	11700	12200
7820	3740	3000	21900	12500	11500	26900	4110	11500	11700
8520	3180	3000	20300	11900	11200	33500	4240	11200	11000
10300	3070	3100	20800	11900	11600	36600	4200	10900	10600
8580	2960	2630	21800	11900	12900	39900	4540	10800	10500
7540	3620	2450	20800	13300	13100	39100	4060	12200	10300
6630	4350	2900	18700	13100	11400	37500	3570	12000	10600
11100	4610	3100	16800	12000	11000	37500	3500	10900	11000
10600	5300	2900	16000	10800	11100	36400	3360	10400	11300
8240	4610	2630	16100	9970	11600	30600	3050	10400	11700
7500	4740	2540	16400	9430	11000	27600	2980	10700	12200
6820	5460	2330	17400	9520	9610	26100	2920	10900	12300
6740	6720	2090	19800	9880	8400	26100	2940	10700	12400
6710	5620	2330	18900	9340	8160	27900	2860	8870	12600
8380	4740	3630	16200	8480	8800	27600	2890	8440	13100
9560	5020	3300	14600	8320	9970	27400	2770	8630	13600
9140	4350	3100	14000	9340	11000	24800	2520	9260	15500
8340	4100	2900	13800	9700	12400	23000	2390	9330	15100
7860	4480	3000	14200	9340	12300	22400	2280	8640	16200

7890	4220	2450	15200	8480	12400	22000	2040	8080	16100
8420	4610	2810	16400	7680	12100	21500	1950	7680	14700
8950	4350	2810	16500	7120	10300	21500	2030	7600	15300
10100	3980	2810	17300	7040	9790	23000	2000	7570	16100
11000	3980	2540	16300	7600	9160	23600	2040	7840	15700
11600	3860	2540	15900	7680	8980	24800	2120	8020	16400
11700	3860	2370	15000	7680	10600	26500	2080	7510	18700
11800	3980	2250	14100	7840	12500	30800	1800	7760	24400
11600	4220	2330	13800	9700	13600	35800	1640	7720	21900
10700	4350	2090	12600	9340	13500	37100	1660	7570	19200
10300	4480	2090	12600	8320	12600	35800	1750	7190	17800
10000	4610	2130	11000	7680	11700	33100	1610	6960	17200
9270	4880	1970	10800	7360	11500	29300	1480	6620	16700
8920	4610	1890	10400	7040	9700	25300	1570	5990	15200
8540	4350	1770	11700	6190	9160	23000	1720	5750	14600
10400	4740	1770	11800	5840	9250	21700	1900	6100	15000
8290	4880	1770	12400	5770	9340	21500	2930	6150	15000
7300	4170	1850	12800	5700	9430	22200	3080	5780	14900
6960	4680	1850	11900	5570	9880	23000	2590	5500	15000
6820	5620	1850	12200	5840	9520	23000	2490	5120	14300
6560	6370	1850	12500	5570	8240	23600	2420	5250	13900
6500	6720	1810	11600	5380	8480	23000	2040	4980	14000
6000	7140	1700	10900	5700	8890	21700	1800	4670	13300
6820	7600	1590	10400	5380	8640	21300	1700	4450	12300
6520	7840	1560	9540	4920	7520	20400	1640	4360	11800
6100	7600	1590	9180	4600	7040	20000	1570	5220	12000
5650	6920	1620	9630	4460	6400	19900	1510	5100	11400
5760	5620	1590	9090	4220	6260	19700	1500	4940	11200
5630	5160	1520	8910	4220	6400	19600	1500	4550	10800
5770	4480	1480	8550	4280	6400	19600	1420	4310	10200
6530	4480	1560	9180	4280	5980	18800	1400	4100	8940
5720	4880	1660	10100	4720	4920	18400	1420	3900	7580
5160	5020	1770	10200	10800	4460	17500	1400	3700	7620
5020	4740	1730	8730	8320	4530	16300	1370	3500	6860
5160	4740	1590	7960	6400	4460	15600	1360	2790	6420
5020	4610	1520	7880	5570	4220	13900	1410	2900	6820
4880	4220	1480	7880	5120	3980	12500	1460	3220	7180
4480	4350	1480	6880	4790	3320	11100	1410	3100	6740
4350	4220	1480	6130	4460	3030	10700	1410	2980	6540
4100	3980	1480	5430	4280	3320	10800	1380	2840	6070
3680	3740	1560	5010	4100	3440	10600	1390	2760	5580
3520	3180	1620	4620	3920	7470	10200	1560	2410	5070
3570	2780	1620	4620	3800	5570	9610	1640	2380	5070
3400	2460	1620	4360	3680	4280	8480	1580	2600	4890
3070	2170	1620	4230	3560	3380	7680	1530	2520	4740
3070	2170	1620	4040	3380	3140	7120	1530	2500	4710
2960	2250	1660	3610	3200	3200	7360	1520	2460	4620
2960	2210	1660	3550	3080	3080	7440	1520	2450	4530
3070	2050	1730	2890	2980	2980	7280	1480	2030	4470
2860	2010	1700	3010	2920	2920	7520	1460	2130	4380
2860	1770	1660	2830	2810	2540	7040	1460	2350	4590
2610	1770	1700	3010	2700	2490	6400	1470	2330	4200
2660	1930	1730	3010	2640	2240	5980	1470	2340	3990
2520	1770	1730	2890	2540	2590	5770	1470	2280	4080
2520	1850	1700	2890	2540	2760	6190	1470	2250	3780

2420	1770	1660	2710	2540	2700	6260	1460	2130	3720
2380	1660	1620	2650	2390	2590	6120	1460	2150	3600
2290	1460	1590	2420	2340	2540	5700	1470	2170	3570
2290	1520	1590	2260	2240	2240	5380	1470	2180	3330
2160	1560	1590	2200	2240	2090	4860	1460	2030	3030
2120	1560	1590	2200	2140	1990	4460	1490	1990	2790
2080	1600	1590	2150	2040	2290	3800	1550	2140	3180
2040	1630	1590	2260	2090	2240	3560	1500	1920	3360
2000	1630	1590	2320	2240	2190	3620	1490	1910	3180
1920	1660	1560	2260	2040	2240	3320	1470	1970	2940
1920	1630	1590	2200	2040	1990	3080	1470	2020	3090
1880	1660	1560	2200	1940	1940	2860	1460	2090	2940
1880	1630	1560	2150	1940	2140	3560	1460	1920	2760
1840	1630	1560	2100	2040	2190	3620	1460	1950	2620
1840	1660	1480	1980	2040	2140	3440	1460	1830	2680
1840	1630	1520	1930	2040	2490	3320	1450	1840	2730
1960	1630	1560	1980	2040	2540	3200	1430	1870	2650
2000	1600	1480	2040	2140	2440	2390	1470	1930	2700
1880	1600	1480	1980	2140	2040	2490	1490	1870	3060
1880	1560	1520	1980	2240	2340	2980	1490	1930	2700
2000	1560	1520	1930	2540	2440	3080	1500	1880	2290
1960	1560	1480	1820	2760	2390	2920	1520	1800	2540
1920	1560	1480	1820	2590	2240	2860	1460	1820	2480
2000	1560	1520	1880	2540	2040	2760	1440	1860	2400
2000	1560	1520	1880	2440	1890	2540	1430	1810	2380
1920	1600	1520	1880	2040	1790	2540	1430	1820	2350
1880	1560	1520	1880	1940	1790	2590	1430	1820	2380
1880	1560	1480	1770	2290	1840	2590	1430	1790	2130
1920	1520	1480	1770	2340	1840	2590	1430	1750	2380
1960	1520	1480	1880	2540	1840	2540	1410	1700	2400
1960	1520	1480	2150	2590	1790	2390	1390	1780	2380
2040	1560	1480	2150	2540	1740	2190	1400	1760	2350
2040	1560	1480	2100	2040	1640	2340	1390	1700	2260
1960	1520	1520	2100	1840	1640	2390	1400	1680	2180
1840	1490	1520	2100	2090	1640	2340	1390	1640	2020
1920	1490	1480	1980	2490	1600	2340	1400	1600	2290
1800	1490	1380	1980	2540	1560	2340	1380	1600	2210
1800	1460	1480	2100	2390	1560	2240	1360	1700	2180
1800	1460	1450	2100	2490	1560	2140	1360	1660	2160
1800	1420	1420	2040	2390	1560	2340	1360	1670	2180
1800	1460	1420	2100	1740	1560	2490	1360	1720	2070
1720	1460	1480	2100	2190	1560	2490	1430	1610	1820
1650	1460	1450	1930	2340	1510	2440	1370	1630	2240
1650	1460	1450	2040	2440	1560	2490	1390	1630	2180
1650	1460	1450	2200	2390	1640	2440	1360	1640	2130
1620	1460	1520	2200	2340	1560	2240	1530	1700	2160
1580	1420	1480	2200	1740	1510	2440	1650	1900	2100
1580	1420	1420	2200	1690	1460	2490	1890	2130	1990
1580	1420	1420	2150	2190	1890	2440	1860	1980	1800
1580	1420	1420	2040	2440	1640	2340	1940	1690	2130
1540	1420	1420	2150	2440	1790	2340	1590	1730	2070
1540	1420	1420	2200	2440	1560	2240	1420	2090	1940
1510	1420	1450	2200	2140	1460	2140	1620	2120	2020
1540	1390	1420	2100	1640	1460	2290	1920	2110	2100
1540	1390	1420	2100	1600	1460	2490	1880	2040	1820

1510	1360	1450	1770	2090	1560	2640	1960	1670	1850
1510	1320	1380	1620	2240	1940	2640	1890	1620	1990
1510	1290	1380	2100	2140	1460	2540	1850	1940	1990
1540	1260	1420	2420	2240	1460	2140	1460	1990	1940
1510	1230	1420	2200	2240	1420	1740	1610	2010	1960
1510	1230	1450	2260	2140	1420	2340	1940	2000	1910
1510	1200	1450	2100	1560	1460	2590	1940	2070	1800
1540	1170	1480	1770	2190	1740	2590	1750	1930	1910
1510	1170	1450	1570	2440	1560	2490	1740	1870	1850
1540	1140	1340	1520	2590	1840	2640	1490	1820	2100
1480	1110	1240	1930	2340	1640	2140	1420	1900	2070
1400	1110	1380	2260	2040	1420	1840	1360	2140	1960
1370	1140	1420	2100	1840	1420	1690	1460	2310	1960
1340	1140	1450	2040	1600	1420	2190	1560	2360	2020
1340	1140	1380	1670	1560	1420	2240	1530	2160	1770
1300	1110	1210	1470	1790	1560	2240	1530	1970	1950
1270	1170	1180	1470	1840	1460	2140	1530	2040	1920
1200	1140	1240	1720	2290	1420	2040	1400	2190	1890
1070	1140	1420	1770	2390	1420	1840	1460	2250	1880
1010	1140	1340	1620	1940	1420	2340	1560	2330	1840
1010	1140	1480	1470	1560	1420	2540	1400	2440	1770
1040	1140	1340	1470	2090	1420	2640	1510	2360	1790
1040	1110	1280	1620	2340	1560	2700	1560	2100	1910
1070	1050	1310	1670	2290	1600	2700	1460	2320	1830
860	1080	1210	1570	2240	1600	2440	1360	2280	1840
800	1140	1380	1670	2190	1560	2190	1500	2270	1830
706	1230	1340	1620	1890	1560	2540	1500	2190	1860
920	1170	1420	1570	1560	1560	2700	1440	2220	1770
920	1170	1590	1570	2090	1600	2640	1560	2060	1810
890	1170	1450	1470	2390	1600	2640	1490	1970	1850
920	1110	1210	1520	2440	1600	2640	1510	2090	1900
685	1050	1340	1720	2440	1600	2040	1400	2270	1950
832	1050	1480	1570	2440	1600	2040	1440	2280	1880
695	1290	1480	1670	2390	1560	2240	1440	2280	1930
832	1390	1340	1570	1640	1790	2490	1340	2270	1740
980	1460	1340	1570	1940	1740	2240	1600	2330	1680
890	1420	1240	1520	2340	1740	1940	1580	2050	1840
756	1360	1280	1470	2390	1690	1940	1400	2250	1930

1942	1943	1944	1945	1946	1947	1948	1949	1950	1951
1880	2400	1660	1290	2020	1580	1620	2090	927	1860
1900	2380	1540	1380	2120	1800	1400	2050	1040	2130
1740	2430	1520	1600	2080	1780	1450	1970	974	2270
1720	2240	1520	1560	2090	1840	1280	2060	1000	1930
1680	2250	1550	1570	2060	1730	984	2340	1040	1970
1760	2380	1560	1560	2050	1680	1270	2360	889	2400
1820	2400	1570	1560	1840	1640	1500	2380	1040	1920
1820	2350	1560	1440	1830	1700	1820	2360	1160	1720
1810	2360	1650	1570	1910	1620	1780	2350	844	2080
1890	2350	1590	1570	1250	1540	1980	2260	992	2010
1790	2280	1570	1600	1320	1560	1780	2350	965	1670
1660	2310	1600	1590	1500	1560	1180	2380	872	2030
2010	2320	1600	1610	1690	1500	1370	2380	1030	2000
1960	2320	1640	1670	1580	1490	1490	2400	933	1950
1910	2400	1630	1500	1600	1640	1310	2420	915	1700
1950	2350	1620	1120	1800	1590	7520	2330	946	2000
1940	2310	1580	1640	1850	1620	3810	2320	987	1970
1890	2160	1680	1610	1840	1570	1710	2100	1240	1870
1760	2290	1870	1600	1840	1630	1160	2210	1290	2010
1900	2280	1910	1570	1740	1520	1650	2220	1380	1970
1940	2400	2220	1540	1700	1520	1960	2260	1180	1920
1820	2320	2100	1360	1730	1610	1780	2320	1100	1700
1870	2330	2050	1380	1800	1720	1780	2330	1250	1890
1920	2310	1880	1540	2000	1470	1650	2060	1040	2230
1800	2160	1920	1560	2030	1370	1360	2260	1140	2060
1890	2350	1930	1620	2180	1290	1080	2320	1060	4880
2320	2350	2000	1510	2030	1200	1480	2300	1070	8950
2270	2280	1970	1530	2010	1280	1750	2290	1050	7320
2110	2350	1920	1480	2320	1550	3290	2340	922	7780
1990	2310	1920	1600	6750	1960	4300	2440	1130	10300
1960	2100	1830	3640	7270	1660	2470	2230	1110	6420
2180	1820	2010	2340	4720	1510	3330	2940	1140	4290
3890	1940	1910	1760	3000	1500	3490	4410	1350	3910
3060	2540	1920	2720	2460	1420	2620	3310	1200	3620
3010	2350	1940	6840	2190	1410	2600	2760	916	3090
2470	2130	1900	3600	2080	1410	2990	2070	894	2060
2330	1960	1900	2500	2330	1460	2550	1730	850	2120
2340	1940	1840	2930	2230	1540	2190	1400	996	2540
2260	1890	1970	2390	2100	1360	1620	1880	1200	2550
2050	2040	1920	5610	2200	1250	1450	1840	2070	2290
2520	1920	1870	10900	2370	1200	1800	2160	2540	2550
2120	1950	1830	6080	2360	1200	1420	1780	1500	2640
2300	1960	1920	4250	2450	1270	1760	1980	1200	2750
2070	1960	1920	3380	2460	1310	2000	1580	1240	3030
1820	1960	1630	3340	2360	1360	1930	1320	1100	2950
1950	2790	1890	2620	2560	1360	1720	2300	1160	3300
2420	2790	1910	2240	3720	1190	1280	2300	1090	8080
2280	6070	2090	2100	5060	1010	1780	2350	1140	13400
2210	12200	2030	1950	3940	1660	1760	2100	1030	30000
2150	7340	2200	1960	3840	8950	1880	2000	947	32500
2060	4620	2860	2080	4780	6140	1880	1690	856	51600
2010	3990	2590	2160	3940	3000	1830	1300	1150	67100
2170	3710	2380	2260	3780	2790	1600	1880	1230	30500

2000	3330	2230	2220	3800	15400	1370	1860	1070	19300
1960	3330	2220	2290	3730	6090	1610	1900	962	13700
2030	3990	1970	2250	4870	4090	1820	1470	1080	10700
2040	3430	2080	2280	4400	3170	1700	1700	1000	9320
2020	4710	2020	2250	4400	2640	1180	1400	744	7350
2200	4950	1740	2320	4680	2140	1520	950	829	7470
2280	4350	1920	2600	6530	1810	1320	1560	920	6740
4270	4190	2180	3040	5120	1660	1090	1850	811	6880
3110	4020	2160	5480	3890	1560	1590	1700	936	6930
10600	4320	2160	5820	4090	1420	1680	1660	984	6350
26700	4590	2110	4400	3730	1490	1610	2040	767	23500
9540	3810	2110	3760	4440	4310	1870	1840	614	39400
5980	3420	2310	3370	6630	8330	1870	2060	1070	24100
4570	3540	2210	3130	6120	8460	1800	2300	1390	21200
3710	3600	2060	3030	6180	5790	1400	2180	1480	26400
3680	3270	2100	2920	5810	4410	1630	2340	1280	32900
3460	3270	1950	2690	5290	3750	1970	1880	1130	33500
3350	3240	1970	2570	5080	3060	1960	1800	1200	22400
3140	3180	2020	2520	4590	2660	1930	1400	958	20700
3110	3060	1940	2670	4280	2470	1800	1660	1070	18700
3110	2760	1790	2610	4120	2360	1830	4840	1190	15600
12500	2820	2070	2530	3560	2080	1360	3120	1510	26000
33500	3060	2030	2530	3460	1910	1490	2420	1350	28000
51600	3000	1830	2400	3400	1810	1910	2420	1350	23600
28000	2970	1640	2390	3220	1790	2040	2500	1160	19300
23700	2910	1780	2360	3350	1680	2060	1420	1370	17800
20700	2820	1850	2980	3310	1580	1980	1320	1390	15600
17400	2730	2930	9070	3410	1570	1920	1760	1460	14200
14000	2790	2290	5990	12600	1570	1630	1570	1150	13000
12300	2930	2060	10300	38200	1570	2220	1500	1040	11700
11300	6500	1820	10800	27000	1440	2160	1460	975	10500
9230	15600	1980	7260	20800	1470	1870	1100	880	9570
7780	13300	1670	5560	27900	1570	993	1140	686	8840
6900	8260	1390	4730	28300	1730	1430	1220	924	9190
7060	7500	1930	4400	40400	2060	1510	1900	1010	7820
9160	22600	1940	4780	38200	1980	1310	1580	746	7580
9300	19700	2010	4730	45800	1800	1540	1420	902	7500
8360	14500	2020	4450	31200	1660	2000	1440	1160	7380
7440	12200	1920	3780	22500	1540	1890	1430	1020	6840
6220	9700	1690	3280	17200	1420	1580	1460	906	6600
5350	8620	2780	3160	15200	1480	5950	1570	994	6940
5400	7140	2770	3600	15800	1520	5920	1490	1260	6780
5070	6380	2040	3380	15600	1340	9220	1560	1420	5540
4740	5860	2980	3100	15700	1230	17500	1690	1350	6040
4830	5440	3560	3210	13900	1400	12200	1900	1370	5950
9500	5070	2540	2810	12600	1460	21000	1770	1270	5130
13200	4740	1920	3260	11600	1420	20300	1560	1360	5590
10200	4590	1650	3610	10500	1380	10800	1420	1180	5670
9410	4320	1900	3630	9660	1360	7280	1420	2040	6840
8600	4110	1820	3830	9080	1320	5890	2300	1830	8740
7460	4080	1860	3840	9120	1250	5070	2520	1340	7340
7300	3930	1650	3790	8640	1240	4550	2630	1530	6100
6930	3840	1950	3700	8370	1320	4000	2460	1510	4450
6420	3690	1680	3820	8030	1320	3770	2080	1410	6500
6340	3660	1400	4110	7880	1330	3550	1550	2800	6760

5830	3510	1710	3920	7620	1240	3090	1760	7750	10400
5250	3330	1910	3800	7470	1220	2660	1720	11400	20800
5200	3360	2000	3580	7300	1210	2700	2030	7180	14000
4990	4440	2080	3440	7030	1120	2990	2350	4820	10600
4740	57100	1990	3110	6960	1340	2810	2240	8550	13300
5400	59400	2010	3040	6950	1260	2790	2040	15100	31300
9300	64500	2180	3160	6800	1270	2720	1060	16300	22800
18700	38000	2580	3070	6790	1190	2510	1970	14400	20800
37200	26200	2600	3070	6860	1250	2240	2220	8800	18700
37700	23200	2250	3010	6840	1160	2330	2280	6810	16100
61100	21000	2390	2960	6630	1370	2400	2370	5680	13800
45700	17200	2360	2260	6480	1620	2480	2440	5890	12600
32000	17700	2320	2340	5630	1650	2780	2090	3980	11900
24400	29700	2500	2450	5050	1610	2830	1040	3840	10300
20000	19900	2750	4720	4820	1550	2370	2230	3610	9240
18200	15200	3040	21500	4680	1310	2270	2560	3470	8670
23300	12900	5610	45800	4810	1200	2670	2730	3160	8380
24100	11400	11200	35700	4820	1400	2780	2620	2820	8640
31800	10900	6640	21900	4950	1720	2930	2530	20400	16600
37600	10500	4900	25400	4670	1800	2900	2370	30200	25500
88400	9660	3300	19000	4750	2030	2850	1930	39100	19200
53700	10800	3290	13600	5330	2080	2570	2660	21300	17400
35200	12200	4660	12900	4850	1670	2220	2820	14200	18200
26900	10800	5340	13500	4690	1780	2590	2610	11100	17600
22400	9840	4560	11600	4560	3280	2770	2720	10200	17000
18400	9210	3720	10100	4570	2640	2480	3540	9010	22000
16200	8580	3760	9390	4540	29200	2600	2170	7020	23200
14200	8340	3240	8580	4270	22700	2460	1670	6770	20200
12700	8100	2870	13100	4180	13900	2400	2240	6180	18200
11400	8140	3060	11600	4250	9940	2640	2530	6020	16200
10900	8300	2980	9750	4170	7540	2930	2430	6340	14100
10300	8420	3040	9080	4060	6040	3050	2260	6380	13400
9850	8580	3000	8760	4180	5230	2900	2000	5990	12500
9120	8580	3150	7820	4100	4580	2870	2050	5960	11900
8760	8850	2780	7220	4180	4380	2810	2060	5780	10500
8700	9210	3030	6540	5100	3860	2320	2600	6180	10100
8330	11500	4000	6070	5330	3370	2700	3080	5900	9520
7560	13000	3680	5710	5080	3080	2600	4160	5670	8990
7600	12400	3530	5370	5110	3130	2920	3950	5620	8290
7480	11800	3410	4970	5580	2930	2980	3810	5700	8130
7240	10800	3100	4790	5340	3030	2870	3720	6020	8480
7120	10200	2460	4700	5480	3240	2860	3540	6350	8020
6660	9800	4020	4580	6950	3130	3040	3600	6990	7680
999999	999999	5950	999999	999999	999999	2800	999999	999999	999999
6200	9260	5620	4390	6510	2860	2530	3490	7230	7520
6220	8620	4840	4300	6240	5040	2680	5150	6600	7180
6360	8420	5070	4270	6040	7180	2750	8310	6660	7100
6040	8940	18100	4130	5830	6740	2650	6700	6850	7280
6080	11000	9260	4010	5590	5680	2590	5620	7500	8270
6340	15100	6600	4120	5410	4980	2560	5090	7480	7980
6610	17400	5660	3960	5340	4630	2150	4450	6980	9550
6650	24500	5380	3820	5460	5000	2340	4260	6240	8620
6990	36200	5610	3690	5570	5000	2330	4060	6080	9640
7360	39400	6180	3660	5860	15200	2180	6710	5560	8920
9560	36300	6660	3480	6420	13200	2200	12900	5650	7480

11400	31500	6820	3680	6340	9640	2270	12000	5000	7510
11300	26800	7180	4760	7970	8140	3260	7300	4610	7720
11400	28300	6500	5010	7320	7350	3420	5930	5000	8130
10600	25200	5760	5470	6640	6780	2540	5620	4450	8470
10000	21400	5340	5750	6440	6460	2820	6740	4120	8550
9720	18700	5440	7080	6060	6480	2920	7700	6240	8560
9590	17500	6060	6130	5970	6780	2480	8020	7690	8260
9300	16000	6210	5340	6360	6920	3090	9570	11400	8260
8490	14700	6150	5380	6540	6380	2520	9660	14300	8440
8150	14100	6010	5960	6480	6080	2280	8620	11200	8870
8070	14000	5820	7190	6340	5870	2210	8500	14300	9070
8080	13400	5870	7940	6240	7140	8260	7940	13800	8870
7800	12900	6100	7340	5910	6100	13800	7260	14600	8600
7590	12400	6380	7700	5710	5850	8430	6350	13700	8150
7220	12900	6340	10300	5930	5540	5800	5790	11600	8900
6960	14300	6100	8420	6410	5230	5000	5720	10700	8580
6790	14600	5860	7500	7240	6390	4780	5960	9810	8440
6800	17000	5720	6980	8870	8100	4620	5860	9240	8380
6950	18800	5790	6540	8870	13100	5150	5620	8830	8340
7110	16600	6040	6460	8040	11500	5470	5300	8740	8100
7700	15200	6540	6780	7880	9520	5470	5160	8940	7780
8070	15000	7020	6210	7530	8400	6220	5160	9780	7660
11700	15100	7980	6210	7230	9070	7960	5200	10500	7740
24500	14600	9260	5900	7370	7900	7290	5440	10100	7980
25700	16900	9030	5790	7730	6980	6730	6070	10000	8340
21400	15800	8180	5790	7800	7160	6410	6280	14400	8400
18300	15000	7700	5790	7630	6740	5750	6780	14400	8420
16900	16500	8300	6350	7400	6450	5580	7140	14300	7680
16400	15000	7860	6100	7360	6620	15100	7780	12300	8260
17400	13500	7180	5960	6850	6150	17900	8420	11700	9520
17000	12400	8020	5900	6720	5990	13600	9570	11100	10100
17100	12100	8420	5760	7080	5870	11100	10500	10600	9770
19600	12300	7940	5540	7650	5510	9630	10700	13000	9860
25000	12800	7700	5400	7860	5530	10600	10800	12600	9440
21100	13500	7420	5370	8620	5890	18200	11400	11500	8920
20500	14000	7180	5440	9880	5960	19800	11400	11000	9360
20400	15000	6820	6660	11300	6100	31100	12000	11400	9300
18200	15300	6580	7680	12400	5610	25100	11800	12500	9190
17000	15000	6780	9160	12700	5190	19600	12800	13100	8690
16700	14600	7140	10500	11800	4860	17600	12300	13900	8420
15500	13000	6660	11800	10600	4700	16400	12000	14900	8200
16100	12500	6500	11300	10300	4680	18200	12400	15500	6760
15900	11900	6540	10400	10700	4380	17200	12600	15400	6640
14100	11800	7060	10800	11600	4260	15000	11800	14100	7000
13400	11200	7220	10600	12200	4030	13800	11100	13000	6940
12400	10200	7060	9700	12300	3870	13700	10400	12600	6710
13300	11100	6940	9300	11400	3610	13900	10000	12600	6150
13100	17600	7300	9260	10800	3700	15000	9160	12300	8050
12200	16200	8180	9260	11000	3840	14300	8900	11000	7320
12300	13700	9120	9660	10300	3790	14200	7980	10300	7320
13000	11700	10300	10400	9970	3810	12600	7660	10700	7050
11800	11600	10700	11000	9880	4330	11300	8100	10700	6860
11200	11100	11000	11300	9860	4370	10900	8380	9970	7340
10800	10800	10600	11000	9840	3920	10800	7780	8920	9260
10300	10200	11500	10200	9480	3710	11600	7660	8670	8520

10500	10400	12400	9120	9710	3920	13300	7500	8540	8560
11100	10300	12800	8760	9700	3860	14700	7540	8120	8260
11600	8800	12400	8980	9360	3620	12600	7340	7320	8100
12200	7480	12600	8580	8560	3410	11000	6660	7240	8420
12000	7140	11700	8980	8390	2860	10200	6740	7660	8760
11800	7170	10300	8500	7890	2490	10000	8380	8100	9860
10800	6760	9260	7460	7320	2580	10200	8580	8910	8830
10100	6450	8460	8940	7120	2760	10800	8420	9660	8320
10800	6220	8670	11200	6790	2680	11600	8580	10100	7460
13600	6170	8380	9520	6470	2600	11000	7780	10300	7660
14100	5750	7000	8760	6520	2650	11400	7900	11000	7800
13800	5380	6420	10500	6620	2450	13600	7780	11000	8040
13900	5500	6290	9210	6810	2400	12800	6820	11000	8000
13700	5380	5960	8850	7020	2480	11300	6100	10300	7800
14400	5410	6040	8260	6690	2520	10700	5620	9750	6820
14500	5380	6540	7700	6340	2480	9980	5070	10300	6680
16100	5470	6700	7380	5720	2410	8710	4870	9920	7040
16400	5840	6530	6980	5620	2380	9080	5130	10500	6820
15900	5820	5620	6580	5290	2400	10400	5230	10700	6500
21700	5680	5310	6210	5020	2370	11500	5300	10500	6420
22500	5570	5290	5820	5770	2340	11800	5230	9980	6350
19700	5920	5430	5340	5640	2350	11800	4810	9510	6000
17600	5920	5570	4890	5270	2370	10600	4090	10100	5800
15300	5400	5200	5370	4980	2320	8910	3830	8650	5790
14400	5160	5040	5650	4640	2250	10500	3860	8810	4740
13800	6640	5010	5510	4530	2360	9710	3570	8580	4480
13200	9820	6740	5370	4430	2930	8900	3510	8280	4890
12800	11100	5720	5160	4150	2670	9270	3300	7840	4200
11800	8310	5600	4890	4200	2350	9800	2970	7240	4320
12200	8100	4610	5370	4070	2170	9360	2640	6380	4060
12600	7040	4310	5480	4000	2140	10200	2610	5940	3660
12400	6630	4220	5680	3800	2400	9270	2970	5650	3370
11300	5540	4180	5510	3670	2800	9280	2790	5110	3170
10800	5150	3770	5230	3460	5020	9080	2940	4930	3430
10700	4920	3470	5010	3280	3700	9980	2820	4360	2930
10500	4690	3220	4710	3310	2890	9300	3000	4400	2990
10000	4510	2930	4590	3240	2280	8610	2550	4000	2860
9570	4880	2980	4410	3130	2280	8330	2300	4240	2580
9300	5680	2880	4350	3010	2290	8000	2470	4090	2370
9190	4200	2910	4170	2920	2060	7830	2500	4080	2580
9260	4220	2870	3900	2860	2080	7760	2420	3730	2460
8670	3940	2690	3570	2660	2120	7440	2330	3690	2420
8120	3770	2540	3150	2630	2200	7080	2300	3050	2390
7900	3660	2180	3090	2680	2250	6310	2280	3200	2780
7820	3560	2100	3150	2780	2180	5640	2220	3520	3070
7320	3440	2210	3070	2740	2120	5290	2250	3400	3000
6880	3220	2400	2930	2570	2070	5250	2350	3280	2940
6800	3370	2290	2790	2560	2040	4520	2280	3140	2800
6420	3140	2420	2750	2380	2080	4330	2250	3200	2800
6210	3030	2400	2760	2510	2150	4020	2200	2480	2300
5660	2980	2310	2790	2470	2280	3970	2120	2390	2600
5340	2740	2310	2820	2500	2270	3830	2100	2750	2750
5050	2480	2330	2820	2450	2250	3530	2140	2420	2750
5010	2660	2400	2660	2460	2140	3490	2100	2560	2700
4810	2690	2300	2570	2540	2090	3880	2130	2480	2680

4870	2700	2170	2530	2410	2120	3680	2220	2310	2700
4860	2630	2140	2480	2390	2250	3550	2180	2230	2350
5110	2690	2160	2460	2380	2180	3440	2120	2180	2500
4680	2640	2260	2510	2360	2170	3220	2100	2160	2400
4140	2420	2380	2500	2370	2170	3060	2160	2120	2400
4230	2370	2330	2440	2380	2160	2820	2140	2140	2400
3810	2450	2290	2400	2360	2150	2950	2120	2190	2450
3850	2380	2280	2400	2390	2130	2960	2110	2170	2450
3720	2370	2310	2330	2400	2130	2850	2100	2120	2450
3670	2360	2270	2250	2330	2070	2740	2120	2120	2400
3540	2130	2260	2280	2280	2060	2370	2120	2140	2250
2830	2140	2250	2280	2240	2060	2370	2090	2170	2260
3090	2080	2250	2250	2330	2060	2440	2080	2170	2240
3070	2210	2250	2210	2430	2060	2370	2080	2180	2220
3030	2210	2280	2180	2480	2060	2350	2100	2140	2210
3000	2270	2250	2170	2440	2080	2320	2080	2100	2210
2950	2200	2250	2140	2410	2100	2280	2090	2080	2220
2940	2240	2230	2210	2370	2280	2250	2080	2080	2170
2830	2090	2200	2380	2360	2330	2200	2100	2090	2150
2620	2150	2210	2430	2360	2170	2150	2090	2080	2150
2810	2170	2220	2390	2380	2090	2140	2090	2060	2170
2760	2160	2190	2380	2430	2280	2120	2090	2030	2170
2650	2160	2180	2330	2430	2390	2130	2070	2000	2140
2540	2200	2160	2260	2410	2480	2140	2080	1980	2130
2610	2160	2160	2350	2360	2360	2120	2080	1980	2080
2540	2130	2200	2250	2420	2360	2110	2060	1980	2080
2280	2130	2180	2180	2480	2320	2100	2080	1980	2120
2430	2110	2240	2180	2420	2060	2120	2070	1980	2100
2400	2060	2260	2160	2340	2350	2060	2080	2000	2130
2440	2060	2250	2130	2320	2340	2010	2100	1980	2130
2420	2010	2240	2130	2310	2340	1990	2100	1960	2090
2400	1930	2230	2180	2310	2420	1980	2130	1980	2080
2350	1910	2220	2240	2330	2400	1980	2100	1890	2040
2200	1870	2200	2260	2300	2300	1940	2100	1890	2040
2390	1900	2190	2240	2250	2020	1950	2080	1930	2040
2310	2070	2160	2210	2240	2320	1950	2080	1920	2030
2380	2190	2140	2180	2190	2290	1920	2040	1920	2040
2320	2220	2120	2130	2220	2260	1910	2060	1920	2030
2320	2130	2120	2210	2260	2250	1900	2060	1900	2040
2260	2120	2110	2180	2280	2270	1910	2040	1900	2050
2130	2080	2130	2170	2280	2240	1900	2020	1880	2080
2200	2020	2090	2100	2280	2000	1880	2000	1880	2060
2210	2040	2090	2110	2290	2170	1860	1990	1890	2050
2240	2010	2030	2060	2170	2240	1850	2010	1860	2040
2160	2000	2010	2040	2430	2230	1840	1980	1850	2040
2240	2000	2000	2070	2380	2280	1840	1960	1840	1960
2160	2000	2030	2110	2390	2340	1810	1940	1810	1940
2070	1940	2090	2070	2420	2340	1800	1980	1780	1940
2040	1980	2090	2080	2440	2230	1810	2020	1820	1920
2130	1990	2100	2030	2340	2280	1800	1940	1780	1920
2090	1970	2090	2090	2370	2290	1800	1900	1760	1910
2130	1940	2080	2120	2410	2280	1800	1900	1760	1910
2130	1850	2070	2070	2380	2040	1790	1850	1720	1900
2030	1770	2070	2070	2320	2040	1790	1860	1730	1890
1990	1840	2070	1970	2300	1880	1800	1850	1700	1870

2140	1950	2070	1940	2190	1870	1800	1860	1780	1830
2330	2040	2060	1880	2130	2020	1790	1820	1800	1800
2220	1950	2040	1850	2080	2100	1780	1780	1780	1780
2260	1950	2020	1950	2200	1980	1770	1780	1740	1740
2310	1930	2010	2020	2120	1980	1760	1880	1700	1720
2320	1910	2010	2070	2310	2000	1790	1840	1690	1730
2210	1840	2030	2030	2460	1920	1760	1780	1670	1980
2210	1840	2040	2070	2130	1860	1750	1770	1680	1950
2320	1800	1980	2090	2030	1860	1760	1740	1710	1710
2290	1760	1950	2070	2010	2050	1720	1700	1690	1700
2320	1740	1950	1990	2350	2030	1730	1620	1690	1690
2280	1720	1950	2070	2260	1880	1700	1600	1660	1780
2300	1770	1940	2070	2160	1900	1700	1530	1760	2120
2160	1760	1910	2100	2010	1900	1690	1550	1680	2050
2130	1770	1800	2090	1990	1860	1690	1270	1660	2020
2210	1790	1780	2070	1940	1740	1680	1250	1700	1860
2180	1800	1660	2020	1910	1700	1700	1200	2070	1700
2260	1800	1640	1980	1950	1700	1700	1170	1770	1730
2140	1780	1600	2070	1940	1650	1660	1110	2000	1790
2290	1740	1600	2070	1930	1650	1660	1120	2170	1870
2100	1720	1600	2040	1940	1960	1650	1120	2060	1990
2160	1690	1570	2060	1920	2060	1650	966	2160	1890
2220	1620	1610	2020	1860	1860	1650	924	2100	1870
2300	1560	1560	1870	1920	1920	1680	970	2170	1700
2390	1540	1420	1940	2040	1640	1660	970	1840	1900
2360	1540	1580	2060	1940	1450	1600	886	2020	1700
2380	1530	1620	2040	1990	1480	1680	886	2150	1920
2260	1520	1570	2040	1940	1290	1710	1040	2120	2070
2360	1520	1600	2180	1840	1240	1740	984	1780	1960
2410	1520	1600	2060	1820	1520	1680	1120	2000	1740
2380	1540	1510	1800	1750	1700	1790	1040	1670	1520
2360	1560	1420	1990	1780	1720	1860	1040	1760	1980
2380	1560	1410	2120	1900	1480	1930	1000	1810	2210
2390	1500	1520	2100	1840	1460	1960	858	2020	2280
2250	1520	1550	2100	1690	1520	2160	1110	1860	2150
2320	1600	1570	2090	1660	1200	2020	1040	1860	2130
2350	1620	1570	2060	1580	1570	2080	1110	2040	1970
2360	1620	1500	1940	1520	1790	2140	1150	2180	1510

1952	1953	1954	1955	1956	1957	1958	1959	1960	1961
2030	2580	2750	2620	1350	2730	2840	1860	1680	1680
2870	2580	2750	2620	1260	2760	2820	2480	1680	1670
3050	2590	2710	2630	1300	2790	2890	2720	1680	1590
2010	2560	2720	2630	1430	2800	2920	2720	1680	1370
1900	2560	2720	2540	1500	2850	3330	2450	1650	1390
1910	2570	2740	2620	1590	2850	3620	1950	1620	1430
1860	2540	2790	2730	1700	2820	3120	2300	1640	1480
2250	2570	2870	2750	1450	2800	3020	2410	1640	1430
2200	2570	2820	2650	1260	2880	2950	2400	1650	1440
2000	2550	2800	2630	1460	2860	2910	2410	1660	1390
2290	2580	2920	2640	1800	3060	2910	2380	1660	1360
2330	2570	2820	2630	1700	3210	2900	2370	1660	1380
2500	2550	2800	2630	1640	3010	4330	2440	1900	1380
1820	2560	2810	2630	1630	2870	4720	2530	1920	1370
2350	2540	2760	2620	1590	2780	3360	2450	1920	1360
2280	2540	2760	2770	1560	2790	3160	2230	1960	1350
2200	2550	2750	2910	1450	2860	3060	2240	1960	1350
2280	2580	3120	2930	1450	2920	3000	2310	1960	1350
2480	2640	3090	2980	1590	2940	2970	2410	1950	1350
2470	2570	2660	2990	1670	2920	2970	2420	1940	1350
1380	2570	2660	2920	1670	2910	2970	2340	1900	1350
2300	2560	2580	2920	1680	2880	3020	2290	1950	1340
2350	2550	2500	2980	1370	2970	3090	1860	1940	1350
3150	2550	2480	2830	1440	3060	3990	2030	1940	1430
4480	2600	2500	2800	1680	3020	4070	1970	1940	1650
3170	2610	2490	2850	1740	3150	3640	2290	1970	1670
2870	2620	2510	2900	1800	3510	3540	2290	2000	1690
2180	2590	2480	2930	1820	3320	3450	2290	1940	1640
2300	2570	2480	2980	1760	3150	3450	2530	1920	1630
2340	2560	2480	2980	1540	6140	3450	2470	1940	1630
2290	2550	2460	2980	1610	6070	3210	2590	1920	1630
2330	2570	2450	2980	1800	4090	3080	2710	1940	1630
2410	1910	2480	2930	1910	3660	3000	2660	1800	1630
2530	2550	2460	2910	1870	3670	2980	2540	1670	1630
1630	2550	2500	2910	1800	3460	2970	2520	1680	1530
1910	2520	2520	2910	1510	3250	2950	2550	1660	1410
2380	2550	2660	2880	1340	3510	2940	2730	1650	1410
2350	2550	2640	2850	1460	3860	2940	2730	1650	1430
2120	2550	2560	2870	1800	3850	2910	2700	1650	1470
2120	2550	2520	3220	1760	3820	2950	2730	1650	1440
2210	2440	2630	3100	1760	3750	2960	3040	1640	1430
3160	2550	3250	2950	1760	3750	3160	3300	1640	1480
4310	2340	3040	3730	1550	3810	3100	3030	1640	1990
4780	2650	3240	3340	1460	3790	4120	2970	1640	2600
3400	3730	5600	3160	1750	3780	13100	3480	1640	3000
3160	3660	4310	7590	1920	3590	6210	3210	1730	2950
2750	2390	3260	7400	1920	3380	4360	2980	1590	2770
2660	2270	3450	4480	2200	3180	4130	2700	1660	2740
2480	2740	3740	3730	2450	3090	3900	2850	1680	3590
2420	2690	3780	3560	2410	3090	3640	2910	1670	3510
5740	2640	3900	3460	2430	3060	3450	2850	1660	3000
5960	2730	3800	3460	4700	3040	3370	2910	1660	2790
4180	2740	4010	3410	3330	3030	3250	2850	1660	2300

3140	2250	5690	3350	2360	3000	3210	2850	1660	2250
3150	2500	6790	3320	2120	2820	3190	2850	1660	2360
3140	2610	5120	3340	2100	2350	3160	2810	1640	3310
2810	2330	4150	3340	2040	2180	3140	2620	1640	5710
3490	2580	3880	3330	1740	2130	3100	2710	1640	3740
4420	2610	4090	3340	1810	2260	3090	2740	1590	3250
6210	2630	3630	3340	1810	2320	3070	2680	1640	2900
5440	1940	3700	3350	1920	2340	3060	2800	1640	2820
28800	3270	3730	3400	2550	2320	3090	2800	1650	4510
21500	3640	3880	4480	2630	1710	3060	2810	1650	8560
13300	3450	3820	5840	2200	2440	3010	2810	1640	4950
12800	2850	4890	5210	1980	2310	3000	2790	1660	3580
12600	3090	3670	4740	2180	2460	3020	2800	1660	3180
8550	3450	3640	7590	8450	2440	2800	2790	1650	2960
7010	7180	4290	7560	5170	2160	3000	2780	1640	2880
5820	6140	4130	5260	3370	2140	3000	2840	1620	2810
4860	5020	4180	5460	3920	1740	3040	2910	1640	2760
4800	5790	3940	5190	3490	1900	3010	2770	1460	2880
4520	6460	3910	4420	2260	2200	3020	2780	1420	2890
4530	5340	3370	4070	2570	2320	3000	2780	1420	2840
4330	4530	3110	3930	2780	2370	3030	2700	1440	2830
4590	3790	3630	3890	2900	2370	3000	2840	1440	2820
4030	3420	3100	3650	2770	2350	3660	2880	1540	2830
3050	3260	2990	3520	2920	2290	14600	2830	1650	3110
3550	3270	2980	3460	4620	2310	14900	2860	1620	4820
4020	4120	2840	3430	7110	2370	15100	2790	1580	4860
4380	4840	2330	3370	50500	2700	8690	2860	1480	4020
3580	5900	2320	3240	65900	2670	7710	1460	1450	3660
3660	4840	3380	3330	49500	2370	9680	1500	1460	3450
3580	4260	3240	3330	150000	2250	10400	2820	1460	3350
3620	4010	2680	3320	172000	1960	7570	2930	1500	3280
3740	3960	2720	3090	90800	2020	6040	2900	2350	3190
4110	4190	1980	3090	43300	1910	5530	3130	2590	3150
14300	4970	2320	3050	62300	2090	5110	3130	1350	3090
24300	6000	1990	2960	49600	1980	5000	4120	872	2810
32900	4780	2140	2960	31200	1820	5190	3540	1270	2300
28600	4420	2280	3010	20400	2010	5530	2990	1700	2150
19200	7580	2490	2660	16700	1960	5200	2660	1820	1990
13800	6980	2490	4070	14500	2250	4860	3090	1850	1730
10800	5070	1980	6340	13500	2170	4560	3060	1740	1700
8850	4790	2010	5110	12000	1950	5300	3060	1580	1680
8020	4810	2100	3560	10700	2200	4870	2990	1550	1780
7330	4480	2300	3590	11200	2050	4470	2930	1560	1720
6620	4380	2440	2950	14800	1530	4230	3160	1570	1720
6960	5370	2340	2270	14500	1570	4000	4280	1610	1680
5860	9120	2740	2240	17700	1760	4020	3650	1650	1630
6100	18000	1800	1840	19500	2130	3960	4010	2660	1640
5700	97100	1930	1810	14200	2550	3880	12100	1980	1740
6000	48100	1500	2430	13800	2120	5270	11500	2140	1910
8210	26800	1520	1900	13300	2030	6520	9980	2720	1810
13700	26900	1370	1770	12200	3050	5760	22700	1910	1770
10600	40300	1410	2070	16500	5290	5760	17200	1300	1740
11200	30700	1400	1890	35000	3980	5130	9400	1710	1660
12200	20700	1310	1930	59500	3340	4740	6240	1350	1670
8650	16100	6730	1920	49100	3050	4590	5050	1040	1690

8340	14200	16300	2180	31500	2920	4390	4670	972	1690
7100	17400	7570	3140	24300	2850	4200	4370	1680	1820
5670	25000	5030	2420	19900	2810	4040	4190	1810	1770
6710	30800	2680	1910	19300	3630	4330	4010	1470	1640
6690	27900	3120	1790	19000	3130	3890	3830	1840	1500
6230	20300	3210	1790	19000	2860	3830	4310	2060	1350
6280	16400	12400	1790	22500	2770	3680	3680	1900	1610
13300	14100	12200	1800	18800	2570	4840	3710	1800	1320
18900	12400	7500	1740	19000	2610	5650	4430	4350	1820
16300	11200	6000	1670	22300	2630	13200	4730	5700	1540
12300	10000	5360	1710	20500	2330	8180	4370	4630	1930
10400	9180	4890	1760	16700	2290	6220	5260	4720	1530
9480	8580	5120	1740	14800	2340	15000	4640	3490	1720
9030	8180	5010	1730	13400	2330	20700	4370	2720	3000
11300	7940	4230	1980	12400	2410	12900	4130	2620	14000
34500	7760	4450	2470	11300	2400	10400	3950	4570	11300
47600	7310	4480	2110	10400	2610	10300	3890	9820	8490
31800	7410	4420	1920	9690	2340	15500	3830	5390	7800
23000	7040	4350	1880	9320	2130	15000	3740	4310	5860
19200	7330	4260	1680	8950	2020	18000	3650	4350	4390
17000	7240	4180	1670	8560	2060	15000	3650	3970	4170
15700	7640	4170	1610	8360	2140	15200	3620	18300	3790
14700	7960	4120	1580	8150	2670	19600	3620	95800	3540
13200	7680	4090	1530	7870	2620	19000	3560	37500	10000
12800	7360	3930	1680	7710	2130	16800	4310	21800	11500
13800	7160	3580	1700	7730	2430	14100	4310	14100	11000
13100	6380	8620	1640	8000	2520	29700	4040	10400	9470
12000	6070	22600	1530	7990	2910	25600	3830	8090	6870
11000	5910	16400	1590	7930	3270	20300	3740	6630	5960
10400	5280	11500	1720	7790	3450	24300	3800	5830	6040
14400	4790	9410	1880	7420	3780	28900	18500	5380	6120
17000	4780	16500	2360	7000	2970	23800	25900	4690	5290
14600	5660	16600	3000	6450	4000	20600	20600	4690	4450
13200	5200	11900	2290	6420	4180	35900	16300	4120	3970
13500	4510	9890	2180	13000	4540	29200	12600	3550	3920
12000	4260	8520	2070	17000	5090	22400	11100	3320	3840
11200	4630	7600	1980	41300	6020	19000	9670	3110	3190
11200	4760	7000	1980	43900	14900	16900	7530	2990	3330
10200	4340	7060	2000	22200	59000	41900	6940	3070	3110
10500	4230	6970	2000	16900	56900	71400	6380	2920	2870
10400	4220	6430	2250	14000	42100	40400	5610	3030	2690
10200	4320	7430	3390	12600	31900	28200	5580	2650	2870
10200	4480	6960	2280	11500	19700	21600	5640	2410	2560
10300	999999	999999	999999	11100	999999	999999	999999	2640	999999
11400	4550	6620	2110	10400	14600	17600	5750	2770	2600
10700	4420	6280	1950	10600	12700	14900	6180	2350	2400
10500	4270	6270	2080	11000	11600	13600	6760	2580	2420
11100	4030	5780	2120	12000	12500	12300	6480	4880	2520
10100	4150	5720	2000	12000	19500	11300	5810	13700	2460
10500	4300	5800	1820	11200	19300	10400	7000	16500	2900
11500	4330	5420	1950	10400	15500	9490	6800	30500	2700
10400	4520	7860	2080	10100	13300	9400	6740	27400	2540
9970	4550	44700	2780	10100	14300	8750	6640	17700	3180
11000	5850	45200	4380	10300	12400	7730	6640	13200	3090
10600	5850	27000	3980	10700	10700	7910	6490	10900	2940

10400	6380	18700	3930	10600	12300	7600	6360	11000	2720
9880	5850	14800	3980	10700	10900	7910	6560	12200	2740
9700	5230	12400	4180	10800	9480	8730	6510	10600	2980
15800	4940	10400	4030	10600	9540	8910	6360	8640	6560
12600	5460	10800	3330	10600	9940	8170	6230	7680	6020
10600	5170	10300	2880	11200	8910	8360	6280	7480	6130
11800	5140	9160	3080	12000	7620	7520	6370	7500	5110
11200	10000	9160	2930	12900	6860	7600	6370	7280	4480
9900	10800	8650	2460	13600	6600	10100	6160	7600	5580
9170	8850	8440	2880	13900	6600	25400	6210	7620	5270
8650	8020	7700	2330	14300	6350	22900	6580	7880	5190
8260	7580	7520	2460	14900	5810	21500	6820	8080	7900
8340	8100	7780	2460	15700	5530	20800	6990	8020	8850
9750	8620	7320	2980	16700	5390	17300	6310	8600	8120
13100	8960	6960	3180	17500	5270	15200	6720	8600	7080
14500	8940	6860	3430	16000	5190	13700	6510	10900	7060
16100	8830	6900	4480	14000	5240	12600	6740	12100	6300
18800	8780	6830	7280	13200	5510	12500	6120	10200	5620
19900	8620	7560	6960	13300	6610	21800	7230	12000	5430
21100	8420	6900	5540	13400	6510	17600	7350	12600	5260
22000	8500	6960	4980	12900	5860	23200	7180	10600	5270
22000	8560	6840	5140	11800	5450	26700	7410	9640	5550
23000	8940	7940	4250	11000	5350	25100	7670	9350	6740
25200	9290	14200	3980	10400	5420	19200	7860	9130	8010
28500	10100	31700	3640	10600	5470	16900	8030	8930	7610
31600	10800	27400	3540	11000	5530	16800	8170	8890	6830
35200	9830	20800	3430	11600	5330	15300	8110	9440	6440
34200	9120	17300	3530	12000	5460	14600	7180	9290	5580
31100	8330	15200	3920	12700	5110	15100	5720	9000	5260
28900	8130	13700	4250	13600	5150	15400	5600	8500	5100
28000	7600	12400	4510	13600	5120	16100	6000	7700	4580
27900	7270	12000	4560	12900	5030	18300	5700	7140	4870
28600	7010	12400	4060	12200	4950	19100	5550	6330	5020
27500	6790	13000	3730	11800	8800	20400	5430	6320	4350
25000	6820	13200	3450	11900	8150	21300	5270	6380	4260
24300	7210	13700	3390	11700	6140	21300	5070	5830	4250
25400	7620	14500	3800	12000	6980	22000	4970	5120	4850
27700	7400	14500	4220	11900	7390	21200	4870	5200	5120
30400	7110	14500	4040	12600	6380	21400	4800	5720	4500
29200	7640	14700	4460	13700	5850	21900	4730	5670	4030
27000	8800	14200	5880	14700	5700	22900	4730	5660	3850
26800	11000	14100	6300	15300	6230	24100	4740	5610	4890
28100	12900	13900	5620	16300	6480	21900	4750	5500	4390
30000	13200	13800	5660	16500	5830	19200	4770	5380	3850
31900	12900	13000	5690	16300	5720	17500	4950	5130	3780
34900	12400	12600	6050	16900	5280	16700	6810	4950	3850
36600	32600	17200	5380	15400	5260	16300	6100	6120	3950
37100	28300	19500	5460	14000	5300	16300	5150	5510	4150
33100	20500	14800	5400	13300	5420	16700	4990	5040	4460
30400	17500	12800	5230	13000	6270	17200	4970	4610	4860
31600	15400	11200	4970	13100	6740	16900	5120	4290	5060
29700	13900	10000	5030	13200	8190	17400	5020	4750	5310
28700	12900	9460	5040	13400	7610	17600	4820	4810	4740
26300	12700	9160	5200	23200	7050	18100	4640	4780	4790
24200	13000	9350	5460	21000	6980	19000	4500	4650	4330

23300	13200	9570	7620	18900	6970	19700	4390	4560	4680
26000	12900	9930	8300	17500	6460	18900	4380	4800	4620
31400	11900	9950	9700	16100	6660	18400	4360	5200	4300
26100	10800	9790	10600	14900	7110	19100	4370	5130	4170
24600	9710	8760	10100	14400	5950	19700	4360	5130	5780
24900	9010	8650	9930	14700	5260	20300	4350	5220	5780
24400	9520	8420	9860	13500	5060	20200	4330	5270	5490
23500	9660	8080	9860	12400	4920	17600	4370	5170	5350
22700	9750	7620	8670	11900	5080	16200	4360	4760	5090
22100	9620	7380	6860	11800	4860	15900	4310	4270	4790
21600	10400	6900	6210	12400	4200	17100	4130	4150	5160
22600	10100	6930	5930	13200	4330	17900	4020	4140	5140
22800	10800	7090	5990	13600	21300	19100	3780	4250	5170
22600	14400	7380	6960	13500	24600	18900	3290	3820	5460
21800	14800	7270	7500	14200	17800	18200	3210	3790	5340
21800	14200	6650	7380	14700	14600	17500	3150	3880	5020
21000	12200	6300	7360	15100	12400	17100	3150	3670	4850
21000	11800	5110	7020	15400	10500	17300	3350	3630	4510
21200	10800	5460	6660	14600	9650	16600	3320	4410	4260
21300	10300	5730	5850	13800	8940	15900	3310	3990	4300
21200	10200	5320	5460	13200	7860	15300	3190	4050	4180
21200	9440	5170	5320	12900	7710	15100	3390	4180	3560
20700	9210	4930	5190	11700	7230	14100	3340	4460	3450
19500	8980	4420	4940	11300	6810	12900	3040	4510	3420
18900	8660	4160	4710	11600	6560	12500	2770	4210	3690
18300	8760	4040	4960	11700	6400	12400	2740	4000	3960
17400	9160	3940	4390	11300	6340	11800	2620	3990	4530
16700	9260	4080	4000	11400	6040	12900	2540	4240	4530
16100	9160	4180	4320	11400	5420	12900	2490	4220	4330
15700	9260	5080	4300	11300	5160	10900	2500	3950	3880
15900	9550	4420	4420	10200	5010	10300	2580	3640	3580
15500	11500	4480	3870	9340	4880	10000	2480	3690	3340
14800	12600	4310	3530	8750	4710	9700	2430	3810	2890
15200	11300	4540	3590	8060	4590	8960	2360	3700	3020
15100	10700	4910	3790	7620	4520	9080	2280	3610	2930
13400	9440	4470	3210	7300	4630	8810	2220	3530	2520
12600	9010	4500	3150	7200	4840	8720	2200	3430	2320
11100	9100	4420	3140	6860	4590	10600	2180	3370	2660
10100	10300	4310	3230	6580	4240	12900	2130	3310	2970
9460	8260	4230	3100	6500	3930	12200	2080	3040	2840
9030	8200	4160	2980	6640	3790	11600	2130	2850	2720
8790	8990	4150	2870	6810	3250	11500	2240	3150	2720
8680	9570	4070	2730	6460	3590	11300	2380	3100	2450
9060	9910	3880	2420	6460	3540	10600	2370	3080	2230
8900	9980	3710	2340	6460	3220	10500	2340	3030	2490
8740	9260	3580	2310	6260	2850	9170	2310	3000	2420
8760	8340	3470	2280	6000	3140	8860	2290	2970	2360
8020	7940	3450	2250	6060	3030	8320	2260	2930	2420
8380	7460	3450	2290	6020	2750	8090	2200	2890	2420
8770	6950	3400	2300	5730	2890	7500	2180	2870	2400
8060	6630	3580	2310	5250	2910	7050	2190	2830	2380
7650	6400	3330	2290	4860	2690	6160	2190	2800	2560
7500	5820	3220	2270	4410	2550	6220	2180	2790	2720
7460	5710	3210	2250	4440	2550	5160	2180	2770	2740
8230	5550	3150	2250	4450	2520	4820	2180	2760	2720

7280	5550	3160	2240	4550	2460	5000	2240	2740	2680
6560	5160	3160	2210	4180	2430	4670	2720	2710	2680
6380	5020	3630	2160	4320	2410	4980	2770	2720	2660
6520	4950	3350	2150	4210	2380	4790	2760	2720	2660
6100	4450	3100	2150	3850	2380	4780	2760	2700	2660
5660	4240	3040	2140	3730	2490	4560	2760	2690	2660
5200	3860	2980	2110	3630	2310	4160	2750	2690	2650
5410	3700	3000	2060	3600	2260	4360	2740	2690	2660
5580	4240	2950	2020	3550	2220	4260	2470	2680	2640
5310	3870	2920	2000	3400	2140	3930	2460	2680	2600
5180	3670	2960	1990	3190	2260	3880	2530	2660	2560
5040	3630	2980	2000	3020	2280	3580	2640	2640	2560
4640	3510	2950	2000	2950	2110	3500	2660	2640	2560
4350	3500	2940	1980	2910	2090	3520	2660	2640	2560
4190	3430	2920	2010	2880	2080	3510	2510	2620	2550
4460	3170	2910	2010	2860	2150	3440	2390	2610	2540
4350	3280	2870	1990	2920	2290	3460	2360	2590	2560
4070	3220	2860	1960	3030	2190	3460	2360	2570	2530
4160	3290	2870	1970	2990	2120	3460	2360	2550	2540
3890	3240	2880	1980	2880	2150	3420	2360	2520	2520
3670	3170	2860	2010	2720	2270	3430	2360	2530	2540
3480	3150	2830	1990	2490	2260	3410	2360	2500	2530
3420	3100	2800	1990	2560	2260	3300	2310	2510	2540
3370	3010	2780	1990	2880	2290	3350	2190	2520	2560
3160	3030	2770	2000	3180	2290	3290	2290	2500	2560
3250	2980	2770	2010	3170	2230	3240	2320	2580	2570
3230	2960	2760	2000	3150	2190	3220	2310	2570	2580
3300	2920	2750	1960	3150	2160	3200	2170	2530	2580
3250	2960	2750	1910	3150	2080	3210	2070	2510	2560
3250	2910	2740	1910	3130	2070	3180	2070	2460	2600
3390	2860	2740	1920	3090	2070	3190	2070	2550	2600
3550	2850	2740	2000	3070	2070	3150	2080	2540	2620
3410	2840	2720	2000	3060	2060	3100	2070	2540	2640
3230	2830	2720	2000	3020	2050	3100	2070	2500	2640
2920	2840	2710	1980	3040	2020	3090	2080	2500	2610
3070	2830	2700	1960	3030	2030	3070	2100	2470	2590
3010	2850	2700	1950	3030	2030	3040	2100	2450	2580
3010	2830	2680	1940	3020	2010	3030	2060	2460	2580
2980	2810	2710	1930	2860	2020	3030	2020	2440	2580
2940	2790	2700	1900	2860	2070	2900	2000	2440	2580
2950	2780	2690	1900	2880	2140	2960	2000	2440	2560
2930	2750	2700	1900	2880	2130	2590	2000	2430	2560
2890	2750	2680	1900	2880	2100	2540	1990	2420	2560
2870	2740	2670	1910	2820	2000	2510	1980	2420	2540
2880	2740	2650	1900	2800	1960	2500	1960	2430	2540
2870	2740	2670	1860	2860	1940	2480	1960	2200	2560
2860	2740	2670	1860	2880	1940	2450	1960	2180	2550
2820	2720	2660	1820	2800	1960	2480	1950	2180	2520
2780	2720	2700	1810	2860	1970	2510	1900	2160	2530
2770	2720	2700	1820	2880	1920	2510	1880	2160	2500
2780	2700	2680	1810	2860	1920	2510	1860	2180	2520
2770	2680	2670	1780	2830	1920	2480	1860	2180	2500
2760	2700	2670	1760	2830	1950	2480	1880	2160	2450
2750	2680	2670	1730	2850	1940	2480	1850	2160	2460
2740	2670	2670	1720	2850	1890	2480	1880	2160	2500

2740	2670	2660	1720	2860	1860	2480	1880	2170	2490
2730	2680	2820	1720	2850	1850	2480	1840	2180	2480
2710	2680	2910	1720	2830	1900	2470	1770	2180	2500
2690	2690	2970	1720	2830	1990	2470	1690	2170	2500
2690	2680	2980	1700	2850	1910	2570	1670	2160	2240
2680	2710	2930	1680	2860	1850	2870	1680	2060	2120
2700	2750	2830	1660	2880	1920	2860	1680	1920	2180
2680	2750	2750	1630	2850	1900	2840	1680	1910	2080
2650	2740	2670	1580	2850	1870	2840	1650	1920	1920
2630	2710	2670	1550	2850	1860	2840	1630	1780	1680
2660	2700	2780	1540	2830	1940	2860	1550	1620	1680
2640	2680	2850	1540	2820	2020	2850	1320	1620	1680
2620	2680	2830	1540	2820	1920	2850	1320	1570	1670
2660	2640	2760	1520	2810	1970	2820	1310	1570	1650
2660	2650	2720	1460	2820	2030	2810	1320	1590	1650
2630	2620	2750	1440	2820	2430	2600	1240	1640	1560
2630	2640	2740	1440	2800	2300	2480	1180	1640	1400
2650	2640	2740	1440	2820	1920	2530	1090	1650	1390
2700	2550	2750	1440	2860	2030	2650	1060	1660	1340
2760	2480	2770	1540	2850	2370	2770	1040	1600	1260
2750	2630	2830	1680	2850	2340	2770	1020	1550	1170
2700	2710	2840	1770	2840	2610	2340	968	1570	1170
2640	2640	2760	1820	2840	2700	2750	1050	1630	1160
2540	2630	2740	1720	2760	2720	2330	1140	1690	1180
2590	2610	2660	1740	2730	2780	2640	1250	1650	1200
2590	2700	2640	1550	2790	2710	2550	2240	1640	1220
2570	2760	2630	1470	2970	2750	2220	2710	1590	1220
2560	2760	2640	1430	3040	2660	2410	1810	1570	1210
2630	2750	2650	1540	2960	2620	2580	1570	1550	1200
2620	2750	2630	1610	2860	2590	2410	1430	1570	1190
2570	2750	2620	1540	2820	2460	2590	1430	1590	1150
2600	2750	2620	1650	2790	2310	2740	1420	1590	1140
2590	2740	2620	1310	2800	2110	2340	1400	1600	1070
2590	2750	2620	1290	2800	1970	2090	1390	1610	978
2560	2760	2630	1320	2800	3190	2450	1390	1600	970
2610	2790	2630	1340	2800	3150	2240	1530	1590	984
2580	2800	2620	1790	2800	2460	2270	1700	1600	1010
2580	2780	2620	1780	2760	2590	2160	1690	1600	967

1962	1963	1964	1965	1966	1967	1968	1969	1970	1971
964	1810	1610	2790	3520	1260	1180	808	2967	3026
1230	1990	1490	2790	3280	1250	3560	808	2968	2986
1210	2100	1480	2790	3080	1290	4970	806	2968	2936
1280	1860	1560	2790	3060	1280	3980	815	2938	2943
1310	1780	1540	2790	3250	1030	3560	818	2938	2959
1210	1760	1650	2790	3280	1040	3470	789	2968	2979
1030	1670	1550	2790	3140	1140	3620	808	2978	2980
1020	1710	1560	2830	3190	1180	3230	799	2978	2985
1020	1690	1540	2830	3170	1210	3070	799	2978	2976
1030	2030	1540	2830	3100	1250	3140	799	2968	2952
1060	8000	2920	2830	2950	1180	2490	808	2948	2967
1180	53100	3310	2830	2690	1040	2100	818	3128	2969
1080	101000	3050	2830	2690	1060	2160	825	2898	2989
1050	73600	2760	2850	2690	1100	2950	838	2888	2968
1030	30600	2600	2850	3280	1140	2910	1032	2918	2969
1120	16400	2580	2850	3540	1150	2630	1025	2938	2970
1050	10000	2120	2850	3650	1120	2950	1017	2909	2969
1030	8200	1890	2850	3630	1080	2730	1009	2830	2967
1060	6320	1930	2830	3720	986	2710	1009	2860	2987
1090	5240	1820	2830	3830	930	2630	999	2890	2984
1090	5220	1740	2830	3740	930	2140	998	2954	2990
1080	4740	1710	2830	3630	944	2120	1004	2973	2991
1040	4420	2400	2830	3450	958	2290	994	2993	3002
1020	4800	1490	2830	3580	958	2630	979	2982	2985
1050	5360	1500	2830	3520	847	2650	973	2952	2984
1070	4860	1540	2830	3630	704	2870	990	2982	2993
1110	4980	1480	2750	3560	1060	2450	975	3012	2986
1210	4820	1460	2690	3610	1040	1690	1006	3022	2983
1200	4530	1470	2830	3670	986	1620	1013	2992	3014
1110	4480	1480	2770	3630	1000	1890	1029	3002	3015
1070	4530	1470	2170	3610	1020	2850	998	2992	2989
1160	4190	1520	2170	3470	1020	2910	1006	2962	2968
1420	4400	1690	3470	3580	1260	3250	1032	2913	3106
1350	4290	1660	2730	3610	1310	3100	1025	3003	2989
1070	4290	2720	2350	3430	1230	2570	1042	3033	3318
1030	4440	3470	1900	3320	1330	1940	1030	3042	3345
1030	4230	7940	1880	3430	1230	2510	1007	3042	3023
1040	4190	4090	1210	3430	1760	2890	994	3012	2961
1130	4010	3400	1060	3390	1360	1570	989	2982	2951
1050	3800	3990	3000	3080	1390	1190	1011	2962	2982
1050	4420	3740	4710	3100	1410	1190	1027	3012	2954
1060	4010	3080	4040	3140	1420	1180	1017	3012	2981
1060	3720	2490	4570	3190	1720	1750	1015	3012	2972
1050	3480	2540	4060	3320	1630	2380	1015	3018	2972
1050	3750	6110	3500	4210	1560	1480	1017	3018	2974
1050	3800	13900	3320	4590	2820	1140	1009	2987	2952
1140	3700	5070	3210	4060	8880	970	825	3377	3004
1170	3670	3910	3170	3970	2990	942	835	3427	2974
1110	3480	3520	3080	9330	1880	956	828	3427	2975
1100	3220	3930	2970	7600	2910	970	828	3428	2973
1150	3150	5330	2950	6670	14600	970	828	3417	2972
1450	2840	4590	2970	5780	8900	956	825	3427	2971
1650	3220	4270	2970	4960	5910	956	825	3397	2981

1210	3200	5640	2970	4520	4110	970	808	3396	2853
1450	3200	7150	2990	5120	3720	1050	818	3396	2546
1810	3140	5110	3060	5830	2490	1430	818	3336	2555
1780	3550	4990	3250	5580	1960	1430	822	3204	2521
1840	7520	4780	3410	5060	1940	1430	806	3172	2552
1840	4460	4520	3650	4710	2540	1370	816	3201	2558
1840	4570	4370	3780	4350	15500	970	816	3167	2541
3920	4840	4210	3560	3760	7840	956	802	3148	2534
6820	5120	3910	4090	3540	9020	948	796	3281	2739
7300	6140	3810	5480	3500	14300	948	796	3379	3374
3060	19200	3720	4710	3470	17800	935	796	3379	4300
2420	12000	3680	4060	3470	11800	935	796	3362	5270
2640	9110	3700	3760	3470	22700	922	806	3358	5934
2380	7940	3740	3630	3470	16800	909	796	3338	5970
2300	7520	3650	3470	3450	11400	909	790	3618	6372
2290	6560	3590	3390	3430	9410	909	815	3758	6971
2220	5660	3700	3390	3430	8170	909	815	3828	6973
2190	4920	3520	3390	3430	7960	909	828	3987	7429
2270	5240	3450	6310	3430	7510	896	825	4687	7961
2220	4440	3540	4960	3520	6820	896	838	5147	7951
2360	4000	3490	4160	3500	6530	896	857	5667	7937
2260	4530	3520	3850	3470	5920	890	830	5847	7972
2270	8140	3540	3690	3410	6000	896	805	5898	7982
2120	15400	3380	3610	3300	4930	909	811	5898	7992
2140	18400	3520	3540	3360	4880	909	802	5917	7970
1960	15100	3410	3410	3320	4160	922	792	5867	7493
1550	11900	3410	4610	3250	4230	909	788	5847	6417
2620	10000	3520	7400	3250	4730	909	808	5846	5403
4300	8810	3610	55600	3230	5610	909	808	5857	4463
2410	8140	3140	138000	3280	5480	834	817	5477	5564
2090	7780	3450	156000	3320	5320	810	814	4919	6985
1730	7290	3430	142000	3410	5270	810	814	13770	6085
1610	5820	3430	84300	4610	4730	810	814	21890	5991
1530	4940	3430	60000	3920	4370	788	805	21880	5981
1490	4460	3380	59600	3610	4300	814	805	22020	5982
1890	4290	3400	36100	3740	4730	819	807	22020	5980
2360	3680	3380	25500	5040	4880	820	805	21790	5984
2120	3700	3400	20000	4660	4730	801	798	21920	6179
2220	3650	3380	16400	4400	4520	801	798	18190	6538
1440	3560	3360	13800	4060	4880	801	805	15823	6618
1350	3580	3340	12500	3780	4640	801	805	14532	6803
1390	3530	3190	16600	3690	4570	801	814	13331	7003
1340	3630	2840	22100	4670	4640	816	811	11630	6993
1460	3730	2740	41400	13000	4470	826	811	7290	6033
1290	3180	2730	61000	9970	4400	820	796	3737	5763
1300	3060	2760	40100	7270	4640	820	796	3807	5483
1500	3180	2270	25900	6450	4540	830	799	3738	5189
1350	2840	2170	20400	5810	4420	801	799	3749	4916
1370	2900	1950	17000	5140	4300	820	799	6368	4696
1360	3260	1950	16200	4660	4210	810	816	10538	4922
1380	2190	1800	15600	4330	4060	810	844	12248	6915
1140	2160	1960	14100	4160	4300	820	4252	20490	7474
1310	2780	1990	13600	4010	4470	801	1982	49800	7453
1300	2710	1890	12800	3780	4280	801	792	60000	9412
1290	2590	1840	12100	3720	4350	795	799	66800	10915

1290	2370	2070	11200	3670	4110	804	803	67800	10815
1410	2420	2580	10700	3630	3920	795	838	66900	11011
4110	2360	3030	10400	3630	3580	786	863	63700	13807
6300	2300	10600	10100	3650	4940	786	1791	51600	14908
2490	2460	16200	10200	3610	29800	804	22120	37100	14805
2300	2610	8670	9930	3520	42800	804	50800	50100	13704
1610	2670	4830	11800	3520	15900	804	38900	63200	11105
1670	2370	3810	29000	3470	13700	792	32400	68900	9793
1570	2600	4130	21900	3450	10900	792	19120	71100	8853
1500	2330	3680	18000	3410	8450	792	31600	71800	7832
1470	2470	3770	15400	3300	8930	801	36500	69100	6853
1400	2530	3970	13500	2710	15000	801	38900	60400	5865
1480	2760	3670	12200	2710	43100	820	38300	54100	4915
1770	7310	3410	11300	3780	48300	820	37700	44500	3861
2050	84700	3110	11000	3470	46800	792	29800	25530	2943
1920	125000	3060	10500	3430	31700	792	14230	18870	2440
1910	61900	3050	9730	3540	20200	801	10611	15338	2241
1550	36600	3060	10200	3230	15500	795	9812	10828	2010
1480	24900	2970	10400	3300	12800	788	9292	8109	1898
2040	20400	2820	12000	3890	11400	788	9272	8179	1888
2170	16800	2840	13200	4040	10400	782	10321	8179	1888
3200	14500	2790	12500	3870	9350	795	10702	8179	1867
6710	13200	2760	11000	3540	9220	792	10182	8170	1869
23900	12000	2620	10600	3360	8870	792	11111	8210	1899
33100	10900	2640	9540	3250	8170	801	14320	8160	1900
16400	10300	2820	8870	3120	8420	810	18650	8379	1889
13000	10000	2790	8420	3010	8020	836	21670	8720	1890
23600	11700	2740	8200	2990	8390	3930	19070	9348	1876
24600	11600	2490	8140	2930	8970	1477	13434	11299	1874
30900	10400	2660	7900	2890	8330	996	14005	12599	1874
23500	9800	2660	7600	2850	7900	892	14840	13028	1891
15600	9200	2500	7870	2830	7570	839	15480	13728	1913
12200	8400	2560	7510	2790	7390	858	15520	13638	1884
10200	8100	2620	7060	2950	7030	853	13220	13628	1905
9310	7800	2560	7390	3190	7000	900	11260	13619	1896
7720	7800	2670	7690	3030	6850	890	10810	13618	1882
6400	7000	2490	7780	3030	6730	904	11708	13628	1908
6170	6800	2310	7840	3170	6620	851	12144	13619	1916
5760	6600	2480	7750	3390	6530	844	12510	13628	1898
5370	6100	2610	6730	3500	6760	822	12890	11719	1904
4990	5700	2490	6820	3650	6620	819.6	11960	8428	1918
4710	6000	2400	8230	3520	6450	822	11580	8398	1898
4590	5400	2640	8710	3340	6310	822	11340	8437	1878
999999	999999	2420	999999	999999	999999	834	999999	999999	999999
4970	4980	2330	7720	3250	6450	750	11970	10358	1906
6700	4630	2890	7420	3210	6390	810	12010	13428	1909
5380	4500	2740	6910	3100	6420	810	12020	13422	1921
4930	4360	2480	6250	3010	6000	822	11340	13534	1830
5480	4190	2760	6140	2990	5950	786	10470	13530	1900
12000	3960	2820	6410	2990	5810	695	9887	13531	1890
9320	4100	2360	6170	3060	5830	814	9306	13531	1931
6730	3940	2360	6090	3250	6000	786	8202	13534	2703
6480	3680	2720	6340	3470	5950	779	7422	13831	3711
5960	3460	2680	6090	4710	6230	788	6451	14435	5041
5520	3510	2850	6390	5890	8290	801	5090	14433	6080

5320	3150	3630	6820	6370	7870	791	4351	14435	7423
5120	3250	3080	6940	8340	7030	797	4182	12733	11206
4940	3200	2440	6620	10300	6230	771	3902	11829	13408
4850	3670	2560	6480	9380	6140	802	3902	11832	13813
4830	3650	2700	6790	8710	21600	815	4331	9600	13919
4750	3250	2840	6510	7120	38000	787	4960	8443	13915
4680	3300	2740	6820	6310	31300	783	5200	8392	13909
4780	3440	3160	6510	5690	28300	758	6292	7668	13807
4980	3430	3220	6390	5380	20900	825	7932	3038	13808
5030	3650	2970	6510	5090	17500	811	9532	2416	13704
6320	3670	3450	6530	4780	16400	798	10740	2235	13310
5690	4960	3580	7120	4590	18700	870	10630	1996	12420
5220	4420	3270	7690	4400	17900	830	8220	1772	12614
5180	4180	3240	7570	4540	15300	692	5662	1725	14027
5820	4140	3000	7630	4830	13400	830	5512	1781	18780
6460	7070	3110	9130	5400	11800	816	5422	2040	24410
7270	20400	2950	8490	6090	11100	805	5052	2241	24460
7890	14900	3450	8020	6880	10900	805	5010	2461	24460
7860	12900	3580	7870	8110	10300	805	5021	2653	23030
8000	12400	4190	7750	8680	11600	794	5030	2833	19810
8340	10900	6080	7930	9190	10700	804	5060	2817	17421
8730	9540	5630	7960	10400	9860	797	5740	2831	17308
9000	8970	5100	7900	10000	9350	845	11530	2765	13495
9900	7570	4470	7720	9320	9000	835	15790	2682	9346
11000	8920	4290	7720	8930	9410	836	16090	2672	9297
11700	37900	4530	7810	9220	14200	817	16190	2635	9373
12300	52000	4180	7660	9320	12100	798	15900	2566	9954
12900	39200	4110	7870	9250	10400	797	16090	2538	10338
13600	28300	4440	10500	9090	9860	801	16040	2515	10329
13200	23000	5100	9570	13400	9730	797	16000	2529	10312
12300	19500	5720	8680	13400	9930	795	15940	2539	10272
12300	17200	5480	8330	12300	8810	805	15890	2538	10816
13100	16000	5410	8360	10500	8840	801	15830	2412	11315
13800	30500	5750	8450	9350	9030	801	16040	2332	11316
15000	31700	6440	8490	9290	8710	801	16130	2308	11305
14300	24400	6760	23900	9130	8110	792	15990	2306	11300
13300	19900	6700	20000	9540	8740	763	16110	2208	11301
12500	17400	6110	16900	9640	9640	754	14790	1989	11305
12400	18300	5240	19900	8810	9450	782	15210	1889	11310
11100	16100	5030	21100	7660	9570	801	14530	1918	10807
9740	14000	5100	25800	6850	9450	810	14850	1932	9838
9600	13100	5150	23100	6560	8810	1009	14220	1938	8879
10500	12500	4860	19900	6390	8870	1298	14430	1937	7838
11100	12400	4400	18300	6390	9450	1288	14120	1809	7271
10800	12200	4090	17900	6620	9060	1282	14120	1723	7304
10200	11900	3980	17800	7210	8710	1280	14120	1724	7415
10000	11500	4360	17900	6880	9130	1301	14002	1725	7414
12100	11400	4960	17700	6670	8870	1310	13920	1722	7402
9540	12200	5170	18100	6530	8550	1491	12020	1721	6509
8500	13100	5340	18900	6230	8610	1930	11430	1706	6468
8260	13600	5390	16900	6090	7990	2110	10160	1732	6454
8390	13800	4740	14800	6000	8080	2330	9930	1734	6425
8980	14600	4620	13300	6030	8170	3332	8040	1739	6492
9650	15000	4550	12200	6140	8490	3642	8014	1745	6493
9940	15200	4690	11900	6530	8840	3662	8073	1785	6490

9690	15600	4720	10900	6670	8810	3232	8032	1800	6468
9450	16500	4400	9860	6650	10500	2421	8061	1669	6467
9620	16500	4720	9320	6560	13600	2202	8000	1496	6473
9860	15000	4740	9000	6530	17200	1442	7961	1537	6429
9210	13400	4960	8930	6620	18500	799	7903	1524	7192
8520	13600	5200	8930	7450	16200	806	8053	1560	7197
8010	13000	5460	9060	6910	14600	807	8012	1654	7216
7670	11700	6030	9290	6420	13700	1623	8072	1583	7201
7330	10900	5800	9250	6030	13400	2541	10072	1568	7209
7030	10700	5440	9290	5690	14700	1114	11082	1579	7144
7320	10800	5390	9190	5010	17200	1642	11082	1535	7164
7150	11400	5560	9540	4860	19600	2801	10973	1505	7261
6710	11900	5290	9570	4570	21000	2831	10973	1606	6791
6350	11900	5270	9290	4350	21500	2742	10973	1590	5979
5880	12500	5340	9380	4330	22700	2082	10964	1531	5231
5250	11900	4760	9190	4110	24300	1402	10964	1532	4781
5460	11700	4360	8490	3850	25300	2601	10114	1543	4661
6040	11000	4250	8170	3540	25500	2890	8819	1488	4624
5680	10700	3940	7810	3280	26500	3110	8021	1516	4701
5120	10500	4090	7660	2950	25200	3160	8012	1559	4725
4830	9870	4580	7600	2810	22100	3220	6872	1541	4950
4840	9420	4140	7720	3010	19800	3280	5962	1516	5910
5270	8440	3910	7720	2830	18500	3260	5913	1465	7751
5960	8250	3660	7480	2510	16800	2960	5971	1453	9560
6110	7780	3560	6700	2310	15700	2790	6020	1465	9895
5860	6880	3460	6590	2410	14600	2620	6060	1469	9965
5870	7550	3200	6650	2530	14200	2440	6040	1472	9898
5850	6660	3180	7090	2470	12900	2340	4900	1493	9854
5830	6040	3060	6790	2250	11900	2250	4010	1685	10012
5310	5430	2870	6790	2350	12200	2072	3951	1989	10056
4900	5280	2810	7090	2310	12700	1847	3001	2097	10008
4790	5040	2760	6970	2310	13000	1236	3010	1915	9962
4740	4950	3020	6730	2450	12900	804	1950	1815	9708
4710	4410	3600	6450	2390	12600	793	1023	1835	8808
4670	4250	3830	6060	2210	12600	784	1006	1806	7829
4700	4210	3620	6140	2210	12600	784	1016	1764	7525
4590	4110	3380	6170	2230	12400	792	1029	1752	7255
4420	3830	2920	4990	2190	12300	793	1029	1751	6484
4320	3810	2830	4520	2350	12600	785	1008	1735	6482
5320	3700	2580	4930	2630	12100	815	981	1734	6524
5910	4310	2530	5320	2410	11800	1142	981	1755	6512
5610	4230	2450	4960	2250	11700	1298	973	1759	6460
5480	4190	2360	5140	2330	11900	1310	1000	1760	6264
5230	4090	2330	5400	2390	12000	1312	1000	1770	5292
4800	3910	2330	4350	2370	12400	1452	990	1770	4292
4720	3890	2330	3990	2350	12200	1693	1292	1736	3213
5090	3950	2270	4450	2330	11400	1720	1500	1735	3184
4650	3950	2380	4780	2310	10900	2112	1490	1757	3926
2860	4050	2710	5090	2290	9990	2112	1490	1776	4276
2750	4010	3040	4930	2270	9220	1972	1500	1755	4292
3500	3910	3100	4830	2250	9220	1360	1412	1761	4290
4700	3810	3080	4040	2230	9090	937	1026	1760	4302
4310	3770	2780	3740	2150	8520	805	1018	1758	4260
3420	3700	2670	3800	2150	7870	799	1026	1747	4304
3330	3700	2980	4250	2250	7600	783	1008	1784	5013

3290	3670	3160	4210	2450	7210	745	1010	1778	5292
3190	3630	3140	3940	2610	7210	406	1018	1769	5284
3180	3590	3120	4090	2630	7060	412	1018	1747	5287
3130	3590	3100	4060	2610	6790	412	1029	1767	5295
3220	3540	3120	3830	2610	6230	402	1021	1742	5297
3220	3540	3100	3670	2770	6110	412	1247	1732	5278
3030	3520	3000	3720	2830	5970	402	2011	1755	5384
3000	3500	2710	3690	2770	5720	412	2021	1750	4959
2900	3470	2740	3630	2770	4350	422	2020	1776	4477
2940	3450	2450	3610	2770	4160	412	2311	1796	4409
2860	3400	2190	3580	2790	4540	412	2541	1761	4397
2870	3360	2190	3500	2770	5220	412	2531	1749	4352
2860	3270	2290	3470	2770	5170	407	2511	1738	4396
2810	3240	2670	3450	2790	5090	412	2511	1760	4388
2760	3220	2720	3630	2770	4990	412	2552	1758	4380
2740	3060	2710	3470	2770	4250	412	2552	1755	4385
2730	3170	2710	3390	2770	3800	412	2520	1790	4384
2820	3210	2720	3340	2750	4180	412	2492	1784	4361
2780	2850	2710	3300	2730	4860	412	2491	1784	4330
2780	3170	2710	3300	2730	4520	412	2480	1740	4360
3470	3110	2650	3430	2710	4830	412	2480	1777	4373
3080	3110	2600	3320	2710	4570	412	2500	1772	4369
2790	3080	2560	3320	2690	3670	412	2520	1782	4364
3320	3060	2490	3320	2690	3360	412	3350	1777	4366
3440	3060	2450	3300	2690	3760	412	3850	1783	4381
2920	3030	2400	3030	2690	4610	402	4020	1745	4373
2710	2920	2380	3080	2650	4470	402	4000	1741	4413
3270	2500	2350	3080	2650	4160	402	3980	1844	4397
2740	2400	2350	3080	2670	4230	402	4010	2066	4396
2530	2400	2350	3060	2670	3610	402	4010	2262	4394
3100	2280	2400	3010	2690	3280	408	4020	2360	4386
2740	2210	2440	3030	2670	3500	408	4010	2507	4364
3140	2190	2450	3060	2670	3970	412	4000	2683	4333
2620	2190	2400	3060	2630	3740	412	3980	2851	4380
3060	2160	2450	3080	2530	3830	421	3950	3144	4387
2640	2170	2440	3030	2470	3580	421	4550	3571	4384
2580	2090	2450	3010	2550	3410	412	5691	3660	4389
3060	1980	2440	3100	2470	3060	412	5882	3760	4404
2660	1990	2420	3280	2470	3120	412	6110	3770	4386
3100	1990	2450	3210	2510	3410	412	6510	3756	4370
3240	2000	2440	3190	2550	3250	412	6150	3764	4392
3320	2060	2400	3190	2590	3210	412	5550	3862	5110
2700	2000	2360	3190	2590	3190	412	6160	3970	6087
2590	2000	2360	3650	2590	3080	402	6540	4015	7071
2900	1950	2360	3610	2610	2970	402	6500	4008	7507
2580	1910	2380	3260	2610	3030	402	6500	4090	7454
2480	1930	2360	3060	2610	3100	392	6500	4137	7435
2480	1920	2360	3060	2410	3280	392	6460	4080	7499
2780	1980	2360	3080	2190	3390	412	6460	4124	7514
2970	2020	2330	3030	2120	3300	412	6560	4094	5448
2790	1990	2400	3060	2010	3430	592	6580	4126	7487
2730	2070	2400	3060	1990	3500	584	6550	4104	7507
2470	2020	2400	3030	1960	3390	569	6530	4112	7492
2470	1930	2380	3010	1920	3230	572	6530	4086	7472
2470	1960	2380	2990	1870	3280	572	6500	4080	7482

2480	1930	2380	2990	1870	3030	572	6480	4124	7492
2470	1950	2350	2970	1870	2650	601	6545	4194	7495
2460	1910	2350	2990	1850	2870	812	6552	4326	7501
2460	1910	2360	3010	1830	2930	812	6552	4369	7511
2470	1920	2360	2970	1830	3190	809	6552	4351	7493
2460	1910	2060	2950	1790	3410	809	6552	4347	7417
2470	1890	1930	2930	1690	3210	799	6512	4356	7477
2470	1890	1870	2950	1650	3170	818	6452	4373	7541
2460	1900	1950	2950	1650	3170	818	6452	4306	7547
2460	1900	1920	2950	1780	3210	818	6542	4278	7519
2470	1860	1830	2950	1630	3190	828	6562	4287	7509
2520	1840	1760	2950	1550	2950	831	6552	4300	7489
2170	1880	1750	2950	1550	2950	802	6542	4297	7396
2020	1910	1700	2950	1520	2950	796	6522	4285	7473
1940	1910	1700	3010	1480	3120	796	6452	4270	7513
1770	1910	1660	3030	1440	2910	796	6492	4258	7550
1670	1930	1630	2950	1320	2810	787	6492	4255	7623
1670	1950	1620	2930	1320	2930	796	6522	4258	7592
1880	1930	1570	2970	1320	2850	796	6492	4272	7499
2050	1960	1550	2990	1300	2610	812	6492	4274	7415
2100	2460	1540	2830	1260	2650	822	6492	4305	7697
2120	2490	1380	2550	1320	2650	831	6462	4307	8667
2010	2440	1320	2550	1430	2730	825	6532	4196	9756
2010	2060	1280	2550	1440	2930	816	6561	4314	9771
1980	1860	1300	2730	1480	3190	825	6561	4385	8742
2060	2070	1300	3060	1480	3210	825	6581	4465	7776
2030	2310	1300	3080	1440	2970	825	6552	4466	7416
1960	2340	1300	2930	1400	2850	825	6492	4463	7502
2080	2340	1280	2670	1400	3140	822	6482	4482	7514
2050	2240	1660	2650	1400	3170	806	6541	4467	7260
2050	2310	2450	2670	1370	2910	796	6511	4495	6694
2080	1860	2650	2710	1320	2790	796	6511	4470	6206
1630	1960	2650	2850	1320	2970	787	6520	4450	5696
1560	2070	2650	2610	1300	2950	787	6541	4529	5143
1580	1710	2710	2610	1260	2990	815	6002	4380	4716
1770	1690	2780	2670	1250	3140	802	5012	4054	4244
2020	1700	2800	3030	1310	2250	802	4032	3568	3762
1860	1690	2800	3410	1240	1340	806	3112	3158	3257

1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
2988	2998	2865	7550	2872	2315	882	2424	2117	1801
2933	3010	2890	7530	2892	2304	875	2451	1932	1815
2923	3002	2864	7560	2872	2302	887	2420	1945	1812
2964	3015	2890	7562	2861	2312	985	2421	1968	1800
2973	3029	2899	7447	2841	2291	914	2454	1857	1798
2966	3070	2867	7490	2871	2321	904	2436	1821	1819
2953	3060	2879	7511	2870	2245	916	2394	1814	1795
2956	3010	2899	7549	2903	2050	926	2414	1820	1801
2920	3030	2898	7572	2925	1851	908	2454	1821	1810
2914	3080	2906	7568	2923	1699	903	2474	1817	1782
2973	3070	2887	7555	2891	1647	930	2445	1805	1782
2977	3072	2888	7437	2909	1649	920	2416	1805	1751
2970	3086	2857	7435	2879	1652	908	2412	1816	1745
2982	3055	2865	7527	2891	1638	901	2380	1805	1735
3014	3002	2887	7535	2880	1598	891	2369	1816	1724
2962	2996	2896	7575	2889	1507	877	2355	1815	1703
2951	2982	2887	7445	2899	1507	899	2396	1802	1708
3001	2994	2906	7416	2877	1518	920	2402	1792	1674
3011	3029	2897	7324	2867	1803	907	2380	1811	1678
3018	3058	2887	7291	2886	2114	913	2387	1784	1712
3049	3039	2856	7405	2876	2284	919	2378	1785	1705
3068	2977	2877	7431	2907	2339	906	2387	1800	1696
3034	2965	2928	6939	2907	2333	893	2397	1800	1688
2965	2995	2931	5020	2916	2328	877	2463	1800	1682
2978	3004	2886	3453	2877	2328	887	2932	1804	1700
3029	3032	2884	3394	2951	2339	898	2704	1791	1680
3065	3066	2856	3405	2934	2339	896	2399	1797	1697
3065	3030	2845	3434	2921	2340	919	2257	1792	1703
3043	2991	2883	3404	2900	2243	933	2255	1728	1699
3004	3031	2911	3417	2916	2149	902	2242	1718	1706
2964	3060	2918	3431	2923	2135	885	2272	1720	1679
3012	2616	2941	3440	2870	2067	896	2262	1724	1675
3052	2341	2922	3385	2856	1884	894	2264	1740	1664
3058	2110	2880	3440	2899	1734	888	2262	1739	1687
3055	2080	2868	3468	2910	1669	891	2237	1729	1686
3048	2051	2931	3488	2908	1661	922	2217	1742	1691
2989	2070	2900	3478	2900	1670	923	2267	1751	1696
2948	2087	2890	3480	2924	1665	902	2270	1740	1695
3019	2089	2870	3469	2884	1687	890	2273	1738	1685
3057	2086	2865	3432	2893	1689	894	2264	1734	1685
3049	2109	2863	3419	2945	1693	851	2258	1735	1684
3041	2081	7735	3472	2962	1683	885	2271	1736	1687
3053	2057	14425	3479	2932	1688	897	2239	1737	1682
2993	2088	15633	4204	2921	1668	902	2255	1702	1692
2961	2133	17227	7175	2924	1650	890	2256	1699	1684
2997	2128	17323	7508	2934	1660	865	2259	1708	1685
3458	2117	19100	7469	3902	1683	891	2257	1704	1684
3970	2094	25390	7443	3931	1685	891	2268	1707	1692
4537	2063	25410	7533	3954	1691	890	2249	1693	1693
5007	2063	21930	7502	3952	1673	882	2249	1710	1692
5094	2074	21950	7485	3954	1657	885	2253	1711	1693
5073	2072	21900	9147	5465	1664	892	2250	1700	1705
5246	2088	21930	10071	6963	1669	898	2249	1710	1686

5287	2067	22000	10012	8074	1683	901	2256	1710	1669
5282	2071	21930	10012	9003	1688	903	2223	1710	1679
5178	2077	21880	10049	9023	1614	884	2224	1709	1700
5253	2111	18810	10002	9053	1549	885	2230	2241	1700
5193	2100	15112	10023	9024	1492	886	2435	2229	1679
5173	2114	13415	10031	9083	1508	898	2609	2224	1679
5263	2121	13414	10076	9067	1538	894	2621	2215	1671
5281	2113	13330	10030	9055	1555	886	2630	2203	1671
5204	2119	13424	10020	9053	1560	895	2552	2202	1696
5106	2110	13413	9995	9051	1550	901	2601	2232	1707
5126	2130	13409	10022	9047	1550	893	2577	2762	1721
5010	2129	13409	10058	9031	1527	887	2615	2767	1697
4981	2116	13311	10012	9052	1522	895	2630	2758	1692
5101	2257	13312	10024	9018	1544	900	2638	2727	1702
5131	2468	13510	9962	8097	1544	889	2616	2696	1689
5123	2732	13911	9986	8028	1547	891	2620	2705	1689
5133	2762	13913	9501	7153	1535	901	2574	2695	1688
5124	2758	13910	7482	7093	1539	898	2584	2707	1677
5030	2767	13204	5584	7102	1533	895	2603	2702	1687
5019	2765	11002	5020	7070	1523	894	2616	2695	1698
5096	2769	9950	4662	7038	1540	897	2628	2706	1677
5117	2775	7030	3470	7033	1548	911	2624	2703	1676
5108	2798	6898	3393	7034	1538	912	2621	2691	1697
5118	2793	6891	3437	7042	1527	905	2602	2692	1687
5127	2828	6962	3483	7068	1543	901	2588	2701	1699
5024	2794	6961	3486	7092	1546	904	2616	2702	1714
4983	2798	6981	3434	7059	1515	902	2600	2695	1702
5091	2808	6981	3420	7039	1537	894	2729	2709	1681
5133	2810	6918	3409	6070	1539	900	2890	2695	1670
5121	2805	6885	3426	5084	1525	899	2890	2694	1691
5116	2775	6937	3494	5083	1540	894	2858	2310	1701
5087	2766	6916	3531	5080	1542	886	2862	2238	1723
5045	2767	6949	3454	5044	1519	876	2874	2231	1690
4983	2798	7239	3483	5073	1520	883	2894	2229	1702
5047	2808	8026	3505	5043	1425	903	2893	2220	1681
5116	2820	7987	3503	4023	1320	907	2924	2218	1672
5057	2806	8240	3461	3268	1254	899	2927	2210	1692
5090	2785	10713	3493	3291	1185	894	2870	2219	1713
5000	2754	12012	3514	3311	1190	880	2859	2223	1705
4353	2788	12000	3475	3253	1195	878	2864	2424	1683
3431	2828	12802	3501	3243	1197	888	2919	2968	1683
3133	3073	14006	3479	3233	1201	906	2931	3678	1683
3099	3803	14009	3409	3234	1206	912	2932	3728	1681
3065	3935	13500	3411	3275	1201	946	2936	3713	1702
3060	4367	9945	3490	3294	1195	926	2903	3725	1715
3049	5618	10932	3511	3265	1183	913	2881	3726	1702
3016	6666	11923	3529	3244	1170	907	2928	3726	1691
3005	7096	11014	3530	3225	1178	932	2908	3738	1692
3054	7064	9975	3505	3174	1187	914	2944	3726	1681
2845	7134	9966	3419	3162	1186	908	2949	5184	1668
2605	13517	9915	3387	3295	1198	896	2902	28800	1670
2592	17800	9789	3463	2766	1201	902	2932	64600	1690
2578	17698	10629	3570	2344	1205	943	2906	77200	1711
2560	17709	15260	3542	2194	1187	931	2940	81400	1710
2559	32600	25800	3375	1994	1184	966	2896	72700	1721

2588	46200	41600	3156	1863	1200	902	2933	61500	1691
2589	45200	46300	3049	1767	1206	894	2915	52000	1678
2595	39000	47200	2989	1669	1200	899	2920	44600	1697
2607	22680	47300	3029	1664	1203	896	2839	22740	1711
2606	14547	47000	3064	1664	1199	894	2508	14998	1699
2571	9384	40800	3093	1674	1191	890	2348	15087	1700
2551	6937	34600	3036	1681	1179	889	2129	14982	1718
2584	6311	32200	2997	1667	1194	906	2111	14780	1693
2598	6343	32200	2982	1644	1202	930	2085	13785	1670
2598	6314	25880	2980	1649	1191	879	2073	12694	1703
3081	6187	20980	3041	1663	1191	894	1886	11803	1738
3590	6125	17428	3095	1659	1184	908	1881	10799	1700
3551	6446	16100	3077	1645	1178	899	1852	9785	1693
3532	7264	15002	3055	2096	1188	885	1739	8757	1686
4890	7673	14904	3091	2124	1202	901	1740	7820	1679
6508	8319	14706	2663	2123	1196	891	1737	6820	1668
5282	8360	13903	2391	2135	1191	894	1742	6025	1700
3323	8247	13805	2122	2624	1195	894	1710	6004	1709
2589	8330	13805	1891	2693	1196	895	1701	5264	1709
2544	8761	13905	1694	2695	1192	899	1723	4271	1710
2491	9393	11907	1699	2664	1180	895	1726	3268	1710
2516	9399	10505	1688	2661	1195	914	1727	2517	1679
7047	9456	9946	1682	2626	1201	912	1725	2521	1682
11814	10422	9396	1693	2643	1200	888	1716	2307	1710
8917	11022	7432	1679	2649	1201	906	1698	2137	1719
2547	14214	6025	1672	2670	1195	920	1719	1937	1705
2534	14311	6016	1716	2652	1178	917	1717	1744	1704
2511	13512	6000	1708	2667	1186	903	1722	1740	1715
2562	11416	5979	1683	2643	1193	909	1729	1735	1705
2220	10366	5989	1664	2601	1200	916	1719	3247	1702
2494	10371	5920	1662	2635	1195	919	1709	10726	1702
2491	10260	4979	1677	2642	1200	998	1702	16934	1875
2490	10256	4958	1686	2653	1197	1203	1703	27400	2197
2450	10365	4993	1683	2704	1175	1428	1702	46000	2486
2429	8006	5016	1692	2637	1176	1626	2143	56800	2814
2430	5977	5023	1693	2589	1178	1727	5961	52500	3011
2793	5688	4997	1681	2620	1195	1708	10613	43000	3021
4510	4598	4963	1670	2686	1199	1683	13715	32100	3022
6262	3598	6382	1669	2690	1199	1678	15511	24630	3026
6321	2665	7022	1669	2702	1194	1672	15414	22120	2986
6576	3448	7045	1673	2490	1180	1682	13812	19870	2977
7169	12447	7067	1666	2147	1168	1695	8811	15919	2998
7259	16716	7065	1667	1855	1191	1684	4770	15920	3019
7264	999999	999999	999999	1682	999999	999999	999999	15918	999999
6290	16713	8190	1686	1698	1220	1687	4020	15015	2998
3563	16714	10908	1676	1728	1229	1722	4937	13220	3030
2304	16014	11805	1676	1723	1202	1693	7187	13715	3032
2058	15615	11902	1666	1692	1203	1708	7978	14408	3031
1865	15413	11900	1678	1683	1205	5287	7977	14414	3026
1695	15514	11900	1689	1681	1185	14113	8056	14395	3041
1666	15713	12407	1693	1663	1201	16408	7176	14396	2999
1675	15715	12905	1696	1665	1099	16412	6082	14405	3008
1697	14812	12902	1693	1671	1010	16415	6072	14410	3022
1711	11712	13003	1695	1643	1001	16411	5416	14211	2590
1695	9849	12906	1683	1660	995	16415	4416	13709	2358

1668	6506	12905	1677	1686	984	16412	3416	13108	2145
1661	3944	13400	1692	1653	963	16410	2555	12714	1936
1686	3183	13803	1681	1675	969	16411	2536	11816	1725
2102	2473	13802	1689	1687	990	16413	2556	9744	1716
2941	2302	14296	1687	1680	996	16385	3243	8730	2106
2511	2128	14794	1690	1670	808	14178	5175	8042	2780
2225	1895	14792	1695	1694	804	11986	6065	8049	2781
2035	1911	14790	1688	1703	805	9868	6055	8048	3488
1873	2285	14790	1684	1691	804	7913	5478	6710	3811
1876	5440	14788	1703	1653	800	7890	4537	6045	3535
1879	9881	14790	1700	1673	796	7210	3540	5054	3563
2421	7841	14907	1698	1692	797	5952	2793	4145	3522
2974	4536	14914	1708	1713	834	5937	2516	4035	3491
2980	3849	14906	1690	1703	825	5914	2527	3016	3507
2953	3086	13406	1687	1691	798	5884	2719	2972	3486
2991	2328	12908	1687	1689	796	5938	3022	2987	3461
3001	2227	13306	1681	1685	794	5940	3005	2998	3462
3003	1999	20940	1666	2046	795	5969	3021	2999	3450
2168	1816	40200	1656	2662	880	5993	3014	2995	4589
1692	1677	43700	1667	2945	1103	5971	3018	2977	7251
1177	1667	48600	1496	3623	1102	5899	2544	2516	6475
997	1676	54500	1283	3631	1105	5899	2515	2522	4749
996	1583	54700	1109	3592	1099	5960	2427	2534	3629
1001	1465	51600	994	3614	1106	5951	2244	2515	3226
1008	1351	35300	995	3660	1138	5950	2029	2289	2465
1009	1165	30100	991	3650	1566	5942	1837	2134	2496
1006	1057	27400	990	3660	1602	5939	1627	1920	2482
1039	1028	24960	998	3681	1985	5888	1443	1913	2470
1037	1030	23400	989	3662	1974	5909	1241	1726	2440
1041	1027	19340	990	3642	1969	5960	1118	1524	2470
1075	1028	15503	982	3610	1981	5969	1122	1330	2270
1047	1044	14803	980	3178	1991	5951	1115	1213	2059
1056	1768	14900	975	2346	2088	5959	1120	1226	1901
1080	2688	14899	996	2253	2640	5960	1125	1229	1689
1102	2688	14805	990	2272	3130	5129	1227	1221	1483
1188	2980	14910	981	2298	3111	4807	1235	1229	1318
1199	2977	14810	980	2268	3129	4868	1229	1221	1569
1210	3562	14912	985	2234	3135	4850	1206	1225	2316
1196	4007	15011	981	2254	2930	4848	1218	1226	2317
1203	3981	15009	979	2258	2779	4881	1216	1217	2344
1211	3947	13911	1455	2261	2828	4921	1213	1212	2332
2189	3920	13410	1991	2690	3084	4909	1639	1205	2347
2187	3965	12014	2471	3240	3263	4912	2039	1235	2347
2194	3972	10413	3163	3207	3348	4966	2039	1208	2346
2224	3981	8997	4094	3236	3364	4956	2039	1212	2313
2220	3984	9000	5063	2949	3365	4959	2040	1211	2299
2438	3966	8957	5941	2751	3355	4970	1930	1201	2339
2159	3958	7645	7109	2745	3382	5418	1739	1212	2333
3211	2969	6522	7404	2720	3390	6344	1510	1194	2343
3192	2980	6485	7527	2416	3378	6859	1473	1213	2344
3190	2962	6483	7549	2006	2942	7133	1525	1206	2345
2765	2969	6493	8500	1890	2391	7851	1530	1217	2347
2231	2971	6451	9841	1826	1382	7854	1531	1224	2335
2174	2981	6431	9937	1719	1151	7863	1521	1310	2335
3089	2951	5400	9933	1630	895	7851	1509	1327	2396

3187	2940	4952	9913	1532	800	7195	1532	1310	3169
3183	2973	4939	9901	1341	799	6153	1537	1307	4160
2997	2972	4953	9893	1178	808	5883	2524	1314	4366
2302	2961	4962	10015	1128	803	5218	2511	1303	4331
1932	2961	4982	10035	1140	788	4429	2522	1318	4296
1644	2948	7873	9954	1145	794	3695	2533	1301	4350
1641	2923	7853	10183	1130	787	2958	2532	1300	4351
1631	2432	8642	10232	1150	783	2939	2512	1298	4350
1621	2451	8061	10226	1180	800	2957	2525	1301	4331
1638	2452	7982	10207	1185	787	2956	2526	1312	4320
1535	2421	7972	10134	1175	793	2444	2523	1330	4296
1319	2457	8003	9245	1205	789	2487	2511	1332	4331
1307	2994	7963	8181	1201	792	2512	2516	1339	4261
1293	3492	7973	8174	1199	791	2509	2522	1339	3522
1289	3522	7833	7256	1197	791	2499	2524	1329	3156
1275	3877	7024	6015	1191	784	2470	2526	1321	2749
1327	6414	6493	5635	1192	773	2503	2515	1326	2454
1364	6634	5694	4733	1186	782	2250	2764	1315	2246
1366	5500	4774	3867	1189	801	2049	3473	1315	2168
1361	4622	3625	3585	1197	800	1879	3154	1392	2145
1375	3938	3305	3590	1187	805	1646	2314	1393	2168
1371	3909	3294	3624	1187	806	1440	2148	1338	1975
1372	3886	3365	3610	1162	793	1259	1947	1434	1854
1369	3905	3425	3609	1268	789	1168	1807	1432	1623
1505	3927	3396	3610	1551	784	1212	1605	1414	1409
1927	3699	3376	3604	1462	794	1229	1488	1435	1316
2392	3019	3383	3597	1266	1193	1516	1448	1416	1316
2963	2898	3310	3608	1127	1600	2015	1435	1401	1309
3431	2867	3351	3592	1090	1604	2049	1436	1417	1310
3430	2888	3348	4150	1221	1582	2037	1750	1441	1302
3435	2904	3357	6023	1482	1572	2076	1947	1420	1310
3415	2915	3361	7570	1721	1396	2086	2142	2179	1297
3426	2936	3375	8493	1881	1193	2522	2236	3070	1583
3456	2937	3344	8539	1824	1186	2547	2215	3721	2346
3458	2895	3324	8527	1613	1184	2532	2565	3710	2341
3390	2868	3367	8577	1422	1197	2512	2556	4540	2349
3366	2939	3366	7674	1230	1176	2510	2725	5258	2318
3444	2949	3377	6680	1091	1175	2542	3028	5761	2093
3442	2942	4075	5766	1084	1174	2563	3073	5742	1931
3450	2682	6160	4710	1077	1179	2547	3191	5590	1717
3463	2435	7368	4146	1087	1183	2541	3006	5743	1532
3479	2391	5579	4156	1087	1188	2542	2998	5685	1357
3474	2389	2891	2986	1083	1186	2545	2994	5684	1329
3477	2381	3956	2665	1516	1186	2578	2995	5670	1305
3793	2426	5385	2640	2073	1186	2620	2991	5734	1312
3241	2439	5379	2648	2078	1186	2630	3726	5733	1320
3050	2419	5343	2585	2083	1181	2629	3988	5754	1309
3510	2589	5292	2557	2084	1178	2630	3989	5744	1592
3558	2890	4425	2564	2212	1177	2628	4067	5735	2351
3480	2869	3384	2557	2521	1463	2619	4044	5742	2371
3447	2923	2878	2580	2672	1683	2598	4046	5740	2386
3531	2928	2448	2586	2781	1679	2628	4166	5750	2375
3942	2905	2438	2588	2861	1694	2631	4538	5754	2371
3979	2898	2447	2571	2871	1688	2634	4552	5348	2377
4002	2930	2423	2562	3024	1877	2626	4680	4677	2585

3986	2942	2400	2585	3163	2180	2627	5041	4781	3295
3952	2871	2934	2575	3173	2159	2618	5031	4050	3313
3934	2900	3378	2573	3153	2141	2627	5064	3722	3838
3803	2949	3983	2585	3142	2151	3007	4558	3101	3822
3148	2899	3919	2556	3124	2163	2996	4022	2769	3818
3110	2924	3932	2586	3154	1849	3527	4010	2770	3820
3122	2948	3911	2578	3154	1685	4068	4084	2759	3559
3108	2904	3934	2577	3155	1689	4120	4031	2759	3324
3065	2853	4925	2587	3169	1686	4121	4052	2748	3084
3008	2915	5982	2586	3161	1697	4113	4053	2770	2851
3067	2894	7383	2595	3118	1688	4107	3904	2759	2856
3111	2954	7322	3673	3109	1484	4120	3532	2741	2862
2603	2965	7380	4694	3143	1387	4118	3551	2688	3560
2549	2984	7381	5527	2942	1394	4130	3562	2709	4095
2550	2982	7321	5587	2534	1684	4140	3545	2812	5116
2525	2990	7341	5549	2437	1878	4102	3542	3230	6064
2483	3216	7353	5571	2579	1868	4079	3553	3248	7065
2545	3436	7344	5496	2699	1855	4121	3711	3332	7406
2585	3426	7365	5486	2722	1872	4121	4255	4095	7069
2605	3434	7318	5470	2734	2134	4132	4743	4252	7096
2805	3459	7256	5470	2734	2576	4132	5083	4274	7436
3537	3443	7293	5483	2722	2766	4341	5045	4274	7551
3545	3413	7312	5490	2718	2775	5203	5095	4272	7524
3545	3445	7351	5477	2890	2764	5443	5093	4285	7543
3586	3458	7329	5477	2991	2739	5525	5083	4284	7533
3603	3453	7343	5489	2984	2348	5564	4605	4280	6787
3296	3438	7388	5453	3001	2017	5585	4575	4275	6080
3076	3434	7348	5423	3005	1966	5570	4564	4262	6104
3064	3428	7244	5438	2993	1967	5562	4571	4286	6103
3046	3431	7348	5525	3007	1989	5539	4545	4272	6082
3015	3449	7425	5497	2921	1959	5522	4557	4264	6059
3081	3452	7397	5503	2795	1937	5565	4547	4287	6052
3535	4429	7393	5545	2821	1968	5563	4550	4274	6061
3579	4933	7371	5364	2552	1973	5421	4556	4245	5754
3352	5105	7255	5605	2198	1956	4628	4545	4265	5035
2611	5122	7208	5553	1836	1966	4496	4496	4276	4789
2526	5122	7378	5501	1568	1681	4446	5048	4256	3768
2495	5145	7361	5499	1440	1463	4447	5045	4285	3589
3019	5135	7396	5442	1176	1448	4746	5053	4236	3590
3338	4652	7445	5441	1166	1220	4996	5074	3735	3579
4002	4634	7440	5425	1114	1090	5056	5084	3753	3080
4043	4622	7436	4578	1051	1091	5078	5063	3740	3091
4042	4597	7457	4571	1061	1281	4448	5059	3740	3069
4022	4588	7408	4591	1061	1462	3953	5040	3241	2447
3969	4480	7558	4598	1056	1456	3434	5047	3219	2239
4051	3982	7519	4559	1058	1435	3024	4907	3197	2037
4070	4006	7508	4629	1056	1478	3067	4372	3238	1831
4077	4018	7528	4609	1054	1478	3047	4018	3240	1749
4078	3997	7474	4581	1051	1477	3071	4054	2700	1659
4076	3958	7419	4633	1056	1356	3083	4041	2729	1439
4011	3944	7482	4665	1050	1097	3028	4037	2707	1345
3983	3826	7548	4641	1066	979	2989	3874	2739	1337
4026	3295	7527	4629	1076	1255	3019	3395	2716	1328
4036	2984	7536	4611	1082	1469	3020	3037	2740	1311
4019	2957	7460	4583	1094	1470	3018	3003	2717	1314

3777	2880	7468	4572	1089	1477	3012	3007	2257	1326
3533	2842	7395	4584	1082	1784	3027	3043	2258	1326
3475	2830	7430	4564	1290	1982	2993	3037	2257	1324
3463	2892	7510	4635	1768	1992	2984	2865	2245	1322
3515	2894	7553	4573	1957	1993	3029	2532	2245	1329
3529	2943	7550	4591	1958	1988	3025	2537	2234	1322
3530	2912	7551	4593	1982	1981	3017	2547	2247	1566
3539	2954	7476	4608	2007	1951	3021	2553	2247	2318
3526	2881	7453	4626	2013	1940	3024	2528	2237	2596
3482	2850	7469	4635	1989	1958	2987	2538	2271	3343
3474	3296	7491	4606	1991	1947	2985	2528	2262	3343
3453	3375	7513	4607	1994	1957	2982	2557	2024	3322
3489	3396	7499	4588	1993	1951	3015	2554	1855	3322
3553	3421	7532	4566	1997	1960	3011	2550	1734	3311
3534	3395	7441	4535	1999	1955	3013	2441	1734	3322
3541	3328	7404	4608	2215	1955	3023	2229	1746	3335
3496	3327	7462	4628	2675	1940	2999	2098	1734	3322
3487	3361	7541	4637	2944	1892	3004	2050	1723	3323
3516	3376	7525	4628	2935	1414	3034	1871	1747	3322
3512	3387	7510	4617	2925	941	3026	1745	1716	3298
3538	3376	7532	4609	2635	748	3037	1743	1674	2838
3555	3397	7458	4559	2271	760	3051	1905	1686	2560
3570	3365	7421	4558	1704	766	3043	2211	1676	2211
3104	3358	7491	4548	1194	758	3020	2215	1674	2015
3034	3406	7549	4538	1093	746	3004	2227	1693	1834
2975	3418	7550	4521	1086	737	2992	2225	1681	1639
2972	3400	7509	4553	1088	732	3007	2216	1661	1427
3053	3392	7521	3733	1398	780	3048	2227	1654	1248
3055	3354	7469	2860	1863	728	3007	2246	1675	1224
2959	3341	7416	2858	2250	740	3039	2237	1674	1221
2992	3332	7500	2853	2529	728	3040	2365	1684	1235
3014	3369	7561	2863	3171	736	3039	2759	1694	1212
3030	3400	7573	2873	3378	726	3045	2757	1694	1198
3053	3408	7531	2876	3559	725	3044	2746	1672	1196
3065	3129	7519	2860	3811	733	3002	2627	1670	1201
3063	2878	7457	2870	3579	746	2826	2268	1683	1225
3059	2848	7438	2880	3080	742	3054	2149	1692	1216
3048	2848	7532	2878	2596	737	2513	2159	1679	1212

1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
1318	6039	4976	2510	2539	4981	2480	2375	2464	1245
1821	6043	4954	2519	2538	5033	2739	2376	2494	1264
1975	6041	4986	2398	2543	5046	2715	2394	2496	1255
1999	6057	4985	2188	2330	4991	2723	2395	2487	1265
2015	6048	4962	2114	2152	4981	2749	2403	2507	1260
2010	6060	4991	2110	2115	5037	2567	2419	3388	1260
2015	6052	5532	2083	2079	5057	2343	2419	3458	1257
1990	6044	6003	2110	2068	5064	2147	2386	3444	1271
2032	6031	5988	2004	2092	5068	2149	2373	3469	1252
2003	6050	5999	1795	2104	5039	1927	2398	3900	1257
1881	5795	5734	1705	2098	3968	1744	2405	4484	1557
1696	4823	4761	1705	2112	3458	1558	2238	4501	1596
1518	3796	3765	1686	2090	2995	1350	2021	4487	1417
1358	2778	2781	1692	2097	2409	1252	1807	3848	1221
1320	2432	2379	1692	2118	2399	1270	1713	2785	1021
1314	2412	2362	1696	2101	2401	1262	1713	2795	1022
1312	2429	2404	1697	2127	2402	1255	1723	2795	1037
1210	2440	2500	1698	2137	2396	1234	1715	2787	1035
1222	2437	2419	1707	2428	2365	1237	1712	2807	1035
1218	2442	2396	1696	2410	2427	1265	1718	2799	1021
1218	2444	2397	1693	2447	2438	1292	1717	2799	1037
1216	2454	2388	1699	2457	2442	1300	1712	2800	1019
1219	2436	2377	1695	2443	2423	1322	1718	2820	1026
1205	2422	2384	1694	2448	2408	1277	1731	2651	1022
1202	2444	2389	1694	2267	2396	1269	1730	2240	1028
1212	2403	2400	1685	2027	2360	1263	1746	2035	1022
1211	2428	2382	1676	1844	2401	1265	1724	1853	1030
1212	2414	2390	1672	1691	2407	1267	1747	1705	1037
1209	2439	2368	1693	1697	2434	1288	1718	1710	1030
1205	2411	2332	1688	1714	2412	1281	1712	2083	1038
1198	2419	2356	1691	1699	2413	1300	1522	2467	1041
1200	2438	2384	1919	1707	2404	1261	1485	2467	1043
1217	2415	2374	2068	1682	2411	1271	1490	2471	1044
1218	2418	2363	2056	1682	2427	1289	1489	2466	1039
1212	2420	2361	2044	1657	2445	1275	1484	2443	1030
1209	2419	2361	2273	1648	2436	1242	1484	2445	1042
1209	2420	2356	2392	1661	2444	1275	1484	2464	1046
1198	2420	2389	2401	1686	2435	1276	1484	2467	1049
1184	2409	2405	2410	1699	2408	1276	1493	2488	1041
1186	2379	2448	2410	1697	2394	1286	1495	2457	1031
1178	2356	2454	2387	1689	2416	1291	1489	2457	1028
1191	2379	2451	2367	1704	2415	1270	1487	2439	1023
1197	2395	2433	2346	1716	2424	1285	1479	2448	1023
1199	2373	2438	2348	1713	2421	1275	1489	2467	1024
1205	2392	2758	2358	1935	2420	1257	1498	2466	1026
1209	2407	4244	2344	2417	2405	1259	1492	2517	1019
1220	2409	4752	2352	2423	2396	1272	1488	2518	1035
1223	2405	9658	2344	2439	2385	1283	1493	2493	1034
1223	4672	16512	2363	2443	2418	1265	1489	2451	1034
1337	7526	14707	2383	2433	2418	1298	1477	2445	1037
1926	7535	14814	2395	2414	2416	1285	1476	2457	1045
2159	7473	14808	2385	2410	2406	1256	1490	2467	1043
3865	7515	14803	2364	2417	2403	1254	1494	2469	1044

17000	7486	15912	2374	2433	2379	1299	1467	2458	1046
44100	7421	20110	2383	2415	2413	1283	1338	2472	1038
39300	6110	27500	2366	2323	2439	1289	1257	2460	1040
33000	6029	22370	2376	2113	2437	1274	1254	2458	1050
27800	6016	17499	2396	1925	2416	1269	1253	2466	1046
22570	5968	17597	2394	1790	2396	1260	1264	2465	1047
15435	6179	17500	2391	1728	2412	1248	1260	2474	1038
16106	8206	16398	2387	1734	2423	1290	1259	2474	1041
16419	10032	14298	3145	1701	2408	1294	1254	3460	1646
16408	9976	14399	3954	1714	2432	1284	1254	4472	2628
16410	9985	14418	4516	1714	2425	1255	1250	4462	3767
16418	9947	14398	4979	1694	2429	1305	1253	4491	4576
16421	10125	14296	4979	1694	2433	1306	1256	4485	4568
16516	9858	14399	4961	1684	2424	1313	1251	5047	4642
13408	9790	14907	4957	1685	2395	1285	1264	6054	4678
13106	9909	14908	4925	1684	2422	1339	1262	6057	4614
13103	8520	14912	4914	1682	2426	1369	1259	6032	4935
13115	6527	17320	4958	1702	2429	1378	1251	6027	4986
9795	6019	25100	4961	1724	2430	1331	1252	6068	5027
6932	5989	25080	4968	1700	2435	1333	1256	5809	4898
6933	6029	22840	4954	1708	2416	1340	1263	5589	4947
6821	6030	15557	4951	1736	2394	1337	1249	5593	4995
6641	6028	14718	4944	1715	2400	1295	1252	5582	4786
6645	6020	14715	4955	1705	2423	1299	1261	5532	4776
6635	6041	14710	4954	1693	2428	1303	1260	5518	4869
6656	6014	14810	4945	1713	2429	1304	1245	5572	4732
15720	5115	14811	4945	1734	2413	1287	1258	5572	4225
58200	5037	14814	4935	1734	2411	1273	1413	5584	3541
50000	9625	14811	4945	1723	2389	1233	1847	5599	3406
45600	19620	14915	4945	1710	2373	1221	1786	5587	3120
42100	25300	14818	4915	1729	2375	1248	1583	5512	2800
32300	24970	16477	4966	1734	2216	1230	1413	6029	2763
22530	20800	29000	4946	1715	2003	1209	1247	6018	2758
16385	14346	47700	4835	1743	1808	1189	1261	6292	2739
16112	14324	47500	4074	1740	1706	1200	1262	6800	2893
15912	12719	47500	3494	1740	1705	1216	1259	7565	2809
21020	10612	44900	3507	1740	1724	1223	1265	7543	2756
30200	8444	42500	3475	1750	1737	1211	1259	7526	2811
34000	8018	38600	3527	1746	1722	1200	1248	7501	2861
33200	8063	28400	3472	1736	1710	1201	1206	7222	3018
24080	7988	20760	3490	1739	1718	1206	1225	6997	3035
16089	8042	17513	3486	1749	1721	1215	1263	6732	3036
16853	8024	17609	3240	1709	1698	1216	1261	6562	3028
17320	8031	17606	2506	1706	1720	1217	1266	6558	2539
17305	8012	16102	2484	1715	1727	1215	1269	6505	2310
17302	8021	13409	2485	1718	1723	1217	1265	6482	2140
16704	6990	13405	2511	1736	1717	1215	1259	4976	1939
16413	5988	13404	2516	1722	1755	1217	1263	3286	1933
14513	6022	13404	2516	1729	1759	1231	1181	2170	1935
14409	5991	13404	2515	1707	1741	1221	1023	1995	1738
14511	6014	13402	2504	1707	1745	1223	989	1722	1561
14412	6012	13401	2479	1706	1706	1225	1260	1714	1543
12906	6000	13402	2502	1707	1732	1226	1246	1717	1537
9356	6013	13404	2517	1726	1745	1230	1263	1712	1536
9419	6014	13402	2516	1741	1738	1225	1257	1725	1534

9462	6036	13400	2407	1744	1735	1193	1248	1718	1526
9338	6034	13401	2177	1720	1717	1210	1257	1719	1535
7719	6021	10902	1976	1702	1729	1222	1252	1722	1306
7405	6032	8427	1783	1701	1738	1220	1250	1733	1130
7414	6379	7478	1681	1718	1735	1218	1244	1748	1137
7358	10633	7460	1697	1716	1731	1220	1268	1749	1135
7433	15027	7470	1716	1718	1727	1218	1269	1759	1143
7413	15458	7471	1697	1723	1710	1211	1271	1770	1128
7417	16447	7475	1698	1712	1709	1209	1264	1769	1128
7727	18270	7483	1699	1710	1757	1221	1263	1750	1139
9047	29900	7475	1697	1742	1768	1231	1261	1754	1138
9027	35100	7437	1704	1751	1741	1231	1254	1746	1145
7987	35100	7427	1715	1751	1737	1226	1251	1752	1145
7065	26720	7410	2188	1789	1729	1217	1263	1756	972
7041	15697	6462	2198	1753	1724	1210	1259	1772	981
7072	14915	5974	2707	1727	1710	1220	1264	2557	984
7082	12529	5945	2687	1714	1738	1220	1749	2552	999
7057	10069	4967	2679	1737	1755	1221	3640	2353	990
7041	9700	4000	2701	1736	1758	1229	3729	2140	1010
7039	8047	3500	2708	1736	1767	1233	3718	1965	995
7038	8042	3476	2705	1737	1746	1220	3766	1766	1004
7034	11531	2977	2710	1713	1741	1220	3770	1749	997
7046	24760	2964	2734	1709	1732	1207	3751	1764	978
6179	27700	2505	2695	1689	1727	1215	3722	1755	966
6072	25200	2501	2701	1719	1736	1215	3723	1755	979
6047	30700	3461	2699	1743	1733	1214	3717	1747	979
6065	35100	3479	2316	1766	1740	1208	3689	1756	987
6040	35000	3509	2122	1772	1738	1222	3738	1765	979
7734	32500	5940	1911	6496	1708	1211	3727	1752	966
17200	30500	5944	1713	20750	1710	1222	3742	1763	984
48900	26220	6454	2160	37900	1713	1211	3741	1766	971
52400	20380	8434	2678	84800	1721	1219	3734	1781	968
45200	20490	9550	2689	150300	1778	1223	3711	1765	981
29500	17750	7942	2950	148200	1766	1205	3649	1755	998
17320	14970	7612	3724	110400	1745	1200	2479	1754	1012
16128	14941	7470	4208	82800	1758	1178	2117	1768	1006
16124	14926	7953	4228	71500	1732	1179	2133	1752	998
16014	14922	7975	4192	55900	1730	1200	2124	1754	990
16014	14923	7983	4172	48400	1744	1194	1940	1746	964
16118	14924	8630	4233	39000	1766	1207	1799	1735	984
16121	15021	8930	4226	30400	1767	1249	1830	1739	985
16119	15629	8922	3503	30300	1757	1237	1835	1739	968
16019	26190	7926	2755	28500	1746	1243	1827	1741	963
999999	999999	7902	999999	999999	999999	1238	999999	999999	999999
16124	46200	8471	2586	22450	1746	1247	1840	1742	989
16316	56800	8473	2537	17737	1774	1262	1667	1747	1005
16311	59100	8937	2522	17754	1749	1272	1423	1751	986
14508	48200	6687	2554	17740	1757	1273	1249	1741	1023
13407	39400	5954	2563	17732	1771	1268	1272	1748	834
13408	34300	5424	2563	17730	1772	1721	1258	1752	842
13308	30400	5443	2566	27020	1745	1706	1249	1752	837
13405	30100	5461	2564	56600	1743	1716	1253	1752	848
12505	30300	5515	2537	56300	1741	1714	1272	1738	842
12514	27500	5494	2525	55400	1746	1526	1247	1732	842
12514	25290	5452	2453	51300	1754	1310	1254	1743	843

12516	25350	4932	2255	48500	1756	1230	1254	1748	862
13016	45800	4956	2044	42600	1759	1235	1255	1748	907
13415	59900	4988	1837	37300	1726	1284	1250	1738	850
13416	56500	6030	1736	30000	1727	1278	1262	1748	845
13412	56800	7016	1692	20290	1722	1310	1254	1736	844
13416	51900	6045	1685	17581	1740	1295	1245	1740	858
13416	30000	4996	1713	15355	1755	2011	1129	1746	864
13417	22540	5626	1737	12834	1756	3006	1112	1762	868
13417	20390	7008	1722	12833	1765	3681	1097	2747	862
13417	20260	7014	1720	12234	1765	5036	1101	2732	858
13417	20240	7013	1723	10034	1740	5032	1101	2764	859
10616	20260	7016	1717	9934	1742	5046	1107	3514	858
9005	20270	6757	1715	10026	1741	5077	1101	3483	868
9006	20240	6671	1725	10070	1755	5019	1101	3483	879
8513	20220	7026	1738	10063	1737	4960	1098	3523	887
8594	20330	7010	1731	10069	1725	4965	2176	4862	875
5043	20340	6972	1751	10070	1727	5032	4014	5001	853
5053	17280	6002	1760	10067	1723	5039	4013	5000	849
5035	14940	4986	1769	9945	1721	5030	4012	5474	849
11537	14937	4041	1730	9968	1744	5034	2857	6319	837
14021	14926	3991	1745	10129	1546	5019	2248	6397	862
14029	14928	4033	1762	9596	1371	4979	2049	6471	866
19920	14829	4022	1775	8540	1241	4967	1864	6474	865
21510	14921	3030	1766	7494	1258	4975	1649	6899	861
18550	14917	3020	1754	5452	1279	4991	1449	7461	856
17019	14917	3020	1728	4028	1249	5010	1249	7455	842
16911	14821	2530	1716	4044	1255	5017	1101	7468	849
16911	14924	2508	1754	4059	1258	5052	1065	7407	849
16910	14924	2527	1750	4025	1264	4973	1061	7453	848
15020	14925	2512	1737	3257	1764	4963	1078	7439	849
29200	14721	2514	1738	2521	2205	4995	1085	7463	854
51700	14825	2522	1744	2169	2231	4488	1074	7462	854
54900	14924	2526	2378	2101	2239	4472	1081	7429	843
47600	14820	2521	2534	1915	2267	4463	1081	7403	844
45000	15216	2500	2787	1715	2746	4477	1085	7392	850
42400	16019	2520	3030	1495	2754	4475	1077	7454	858
34800	16018	2301	3016	1315	3258	4474	1078	7461	861
23550	15922	2113	3009	1216	3234	4264	1070	7438	853
16974	15930	1906	3046	1204	3200	3520	1082	7439	852
16916	16629	1705	3053	1186	3234	3258	1075	7427	855
14714	17134	1701	3018	1211	3242	2407	1080	7435	842
13916	17237	1701	3041	1211	3227	2211	1090	7427	878
13918	17233	1713	2548	1210	3241	2022	1081	7491	895
13418	17232	1691	2545	1210	3252	1810	1093	7430	936
13419	17325	1691	2527	1209	3228	1665	1185	7454	948
13421	17220	1711	2537	1208	3203	1506	1237	5726	948
13420	17219	1698	3010	1195	3249	1484	1249	3051	929
13419	16224	1709	3481	1211	3248	1482	1236	2323	934
13511	16521	1694	3800	1207	2749	1297	1236	2138	938
13116	17325	1705	4029	1207	2736	1121	1244	1914	927
12324	17323	1703	4296	1213	2730	1121	1239	1754	1181
12123	17520	1695	4562	1215	2702	1453	1233	1548	1416
12024	17821	1729	4576	1198	2686	1987	1236	1332	1424
11821	17924	2489	4568	1201	2425	1998	1228	1510	1417
11517	17824	3288	4526	1200	2128	2036	1222	1813	1419

11516	17826	3968	4560	1191	2056	2046	1209	1815	1423
11525	17822	4030	4549	1188	1933	1995	1215	2372	1429
10831	15924	4029	4553	1193	1930	1978	1221	3013	1432
10532	15323	4006	4583	1189	1923	1901	1229	3013	1434
10525	15418	3504	4589	1184	1910	1711	1222	3178	1335
10524	15420	3526	4621	1186	1940	1503	1276	3508	1119
9300	15919	3525	4535	1209	1854	1299	2908	3499	1038
7031	16422	3483	4327	1211	1665	1228	3928	3490	1032
6083	16323	3498	4083	1214	1576	1223	3972	3505	1037
5362	16224	3481	3786	1233	1562	1216	3732	3511	1043
5043	15826	3017	3046	1229	1557	1213	2740	3503	1044
5031	11923	2988	3036	1221	1523	1219	2504	3081	1040
5038	11925	2499	3041	1204	1547	1215	2495	2318	1036
5012	11322	2472	3755	1222	1565	1219	2484	2130	1031
4944	10721	2478	4080	1235	1573	1212	4462	2005	1026
5049	10305	2511	4065	1334	1560	1204	4944	1903	1027
5055	10184	2499	4082	1338	1567	1206	3303	1718	1225
4529	10166	2509	4305	1337	1539	1215	2973	1533	1522
4920	7863	2498	4862	1319	1526	1213	2728	1323	1763
7458	6337	2491	5056	1319	1521	1215	2285	1127	1967
8073	6335	2502	5034	1322	1547	1223	2074	969	1995
8074	6333	2478	5044	1340	1565	1222	1969	904	2011
8083	6319	2508	5289	1337	1563	1370	1973	898	1999
8073	6311	2510	5586	1333	1557	1508	1982	900	2013
8042	6336	2467	5581	1337	2006	1502	1992	908	2163
8066	6337	2494	5538	1316	1999	1408	1989	904	2516
8025	6354	2293	5505	1297	2021	1261	1991	907	2498
6214	9486	2111	5532	1320	2024	1213	1998	903	2502
4769	12022	2101	5547	1336	2033	1215	2870	899	2760
3773	11917	2112	5537	1318	2025	1208	2959	888	3006
2795	11913	2102	5527	1320	2036	1233	2980	895	3005
2909	13113	2090	5540	1321	2014	1226	2989	902	3008
5080	13821	2580	5290	1307	2492	1223	2992	917	3025
5550	13927	2581	5006	1302	2796	1223	2996	939	3022
5529	14017	2579	4981	1308	3049	1211	2894	941	3008
5540	14021	2559	5005	1311	3050	1212	2259	924	3268
5573	14026	2594	5015	1294	3053	1203	1979	934	3485
5528	13523	2585	4566	1299	3052	1207	1992	939	3490
5525	10167	2584	4537	1276	3027	1211	1990	938	3290
5520	10016	3103	4531	1268	3001	1710	1989	943	2994
5499	9999	3503	4504	1272	3036	3310	2235	940	2995
5519	9021	3973	4520	1289	3045	3995	2494	939	3003
5519	8971	3997	4820	1300	3053	4480	2459	935	3005
5078	8963	4010	5045	1304	2636	4449	2460	940	3015
5074	8894	4000	5026	1326	2567	4438	2760	933	2517
5062	8977	3992	5030	1336	2210	4478	2577	937	2373
5045	8954	4277	5034	2034	2144	4998	2560	931	2206
4575	8000	4976	5016	2288	2159	5319	2583	944	2142
4548	8011	4964	4958	2322	1899	5024	2606	943	2115
4536	7988	4940	4514	2319	2014	5021	2625	947	2130
4532	7976	4982	4002	2320	1912	4042	2350	952	2021
4525	7974	4968	4011	3058	1975	3103	2481	947	1815
4478	7955	5777	4019	4080	1921	3124	2526	961	1716
4533	8011	6014	3998	4256	2769	3806	4338	960	1717
4017	8014	5971	3972	4259	3026	4996	6113	1424	1701

3550	8006	5951	4008	4336	3126	4996	6450	1420	1687
3541	8011	5932	4044	4335	3122	4992	6490	1432	1709
3541	7991	5972	4047	4344	3050	4985	6475	1328	1703
3536	7711	6235	4038	4337	3046	4978	6324	1079	1690
3525	7447	6479	4002	4330	3014	4986	5986	917	1679
3515	7531	6769	3792	4322	3016	5003	5748	918	1688
3539	7480	7007	3532	4300	3536	4986	5497	908	1710
3549	7470	7003	3473	4360	4246	4486	5502	1230	2038
3535	7469	6940	3272	4369	4050	3976	5498	2026	2550
3543	7442	7005	3048	4352	4045	3946	5480	2029	2787
3538	7451	6995	3022	4362	3951	3929	5929	2034	3239
3541	7466	7005	3027	5016	4015	3952	6472	1979	3261
3545	7465	6975	3295	5012	3993	3964	6474	2456	2765
3533	7481	6950	3809	4960	4191	3954	6455	2896	2488
3533	7492	6017	3741	5528	4100	3953	6464	2947	2263
3537	7503	5984	3896	5547	4032	3960	6469	3396	2093
3569	7480	5994	4039	5545	4011	3944	6449	3497	2075
3586	7434	6002	4061	5537	4005	3943	6485	3818	1991
4273	7226	5948	4560	5564	3987	3479	6486	3949	1790
4572	6472	5980	4592	5534	4001	3479	6474	3963	1691
4545	6492	5992	4576	5510	4032	3989	6476	3963	1691
4548	6502	6001	4541	5590	4060	4473	6983	3970	1691
4547	6500	5970	4322	5039	4010	4464	6965	3960	1699
4546	6488	5992	4077	4547	4040	4444	6923	3993	1693
4547	6465	5996	4067	4559	4041	4440	6975	3390	1703
5028	6492	5998	4021	4544	3522	4467	6477	2851	1695
5051	6501	6007	4032	4492	3482	4467	6479	2816	1501
5044	6498	5975	3990	4495	3588	4468	6980	2640	1290
5034	6499	5498	3970	4261	3444	4262	6967	2552	1114
5018	6495	4956	3997	3784	3148	3483	6991	2534	1036
5043	6484	4945	3973	3548	3084	3451	6975	2564	1030
5029	6481	4910	3973	3531	2844	3441	6993	2560	1032
5015	6501	4408	3982	3544	2615	3476	7253	2784	1033
5027	6504	4441	3981	3505	2610	3520	7994	3247	1035
5024	6505	4463	3537	3517	2628	3480	8008	4208	1040
5047	6514	4538	3506	3517	2647	3474	7993	5058	1042
5036	6493	4519	3531	3545	2562	3463	7504	5896	1068
5033	6460	4465	3502	3536	2629	2979	7485	5943	1078
5023	6475	4178	3500	3545	2606	3003	6983	5454	1312
5023	6485	3910	3485	3558	2589	2976	6714	5457	1313
5026	6517	3929	3462	3527	2583	2495	6208	5414	1307
5027	6489	3924	2995	3501	2640	2315	5241	5475	1285
5027	6504	3977	2982	3544	2630	2192	4732	5466	1280
5027	6321	3981	3016	3535	2636	2287	4475	5468	1292
5026	6490	3917	3014	3529	2623	2275	4451	5418	1306
5589	5950	3922	3007	3555	2635	2278	4479	4984	1296
6048	5990	3955	3021	3551	2607	2293	4471	4483	1108
6046	5996	3938	3036	3532	2617	2284	3983	4506	1027
6046	5999	3993	3011	3502	2648	2285	4003	4485	1023
6044	5987	4011	2981	3561	2649	2344	4005	3992	1033
6032	5946	4006	3005	3554	2647	2402	3959	3522	1009
6065	5959	3972	2599	3551	2642	2400	3789	2592	1012
6043	4699	4023	2549	3540	2635	2384	3679	2282	1015
6041	3999	4022	2542	3540	2610	2391	3681	2141	1026
6043	4012	4025	2539	3528	2599	2397	3304	1912	1044

6046	4481	4014	2541	3507	2622	2393	2496	1711	1049
6037	5482	3983	2513	3536	2445	2381	2486	1509	1036
6028	5998	3975	2510	3522	2254	2361	2468	1318	1020
6036	6004	3966	2521	3525	2246	2344	2947	1139	1028
6035	5969	3490	2513	3527	2257	2348	2979	989	1026
6043	5991	3490	2513	3510	2219	2348	2970	1022	1037
6045	5998	3484	2499	3516	2224	2363	2511	1022	1063
6045	5989	3457	2307	3484	2261	2360	2530	1028	1065
5996	6005	2986	2094	3474	2252	2378	2409	1005	1052
5992	6002	3001	2053	3812	2143	2361	2182	969	1041
6008	5975	2994	1970	4072	1933	2354	2056	946	1016
6057	5985	3024	1805	4082	1848	2362	2058	1003	1066
6067	5990	3013	1711	4327	1822	2344	2070	1022	1032
6048	6009	3284	1723	4546	1803	2365	2105	1021	1030
5996	5997	3994	1712	4457	1811	2365	2082	1019	1079
6043	6003	3985	1707	4494	1844	2375	2995	1027	1053
6046	6007	3952	1710	4496	1694	2380	3527	965	1060
5998	5998	3992	1719	4507	1468	2380	3517	1014	1048
6049	5957	4253	1697	4518	1302	2366	3550	1033	1041
6050	6010	4480	1721	4508	1243	2377	3527	1027	1047
6006	6630	4479	1715	4455	1240	2379	3528	1023	1068
6007	7518	4486	1702	4431	1226	2383	3528	1022	1059
6036	7554	4475	1695	4509	1287	2386	3542	1025	1050
6045	7516	4445	1698	4505	1297	2406	3991	1006	1031
6073	7502	4497	1741	4477	1246	2381	3980	1024	1036
6005	7432	4980	1738	4467	1256	2395	3592	1025	1046
6040	6164	4979	1727	5025	1242	2388	2508	1025	1021
6049	5989	4962	1694	4925	1263	2405	2501	1228	1272
6006	5977	4225	1692	4901	1279	2417	2499	1250	2268
6048	5949	3233	1669	4956	1303	2413	2492	1238	2502
6056	5981	2493	1695	5000	1753	2411	2492	1266	2511
6046	6494	2497	1716	4990	2223	2397	2498	1237	2504
6047	7440	2508	1791	4985	2249	2389	2502	1237	2524
6050	5526	2510	2215	4968	2239	2402	2503	1232	2507
6034	4525	2523	2501	4936	2251	2418	2486	1278	2519
6055	4516	2523	2491	4916	2297	2417	2508	1263	2514
6054	4507	2511	2514	4969	2283	2458	2482	1262	2525
6041	4988	2490	2522	4990	2259	2392	2485	1245	2518

1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
2548	2508	2283	2865	7010	1799	4347	6036	3466	2904
2508	2525	2285	2886	7030	1795	4328	6040	3473	2902
2520	2517	2282	2862	7030	1803	4324	6039	3485	2905
2526	2516	2281	2868	7040	1993	4308	6027	3487	2911
2524	2511	2283	2880	6780	2194	4319	5587	3492	2907
2511	2507	2294	2869	5760	2404	4319	5092	4051	2907
2464	2398	2285	2869	4740	2402	3829	4596	4550	2907
2283	2283	2277	2869	3740	2403	3819	4087	4550	2914
2111	1996	2274	2866	2730	2403	3828	3583	4546	2911
1911	1789	2278	2862	2488	2404	3808	3071	4588	2925
1711	1605	2282	2875	2484	2402	3807	2571	4518	2920
1531	1406	2277	2889	2490	2403	3817	2524	3722	2915
1337	1204	2276	2876	2496	2405	3048	2512	2904	2702
1137	1014	2289	2508	2499	2404	2402	2493	2373	2481
1057	1017	2094	2386	2395	2405	2489	2475	2224	2318
1059	1017	1882	2385	2404	2580	2413	2477	2161	2318
1060	1015	1870	2386	2395	2432	2409	2464	2166	2316
1057	1015	1874	2385	2332	2401	2407	2461	2161	2320
1048	1027	1875	2389	2392	2376	2409	2461	2329	2326
1042	1013	1885	2388	2378	2403	2417	2457	2325	2322
1044	1016	1878	2389	2379	2393	2411	2461	2337	2322
1047	1015	1875	2388	2388	2431	2420	2461	2344	2329
1043	1015	1884	2389	2339	2390	2418	2476	2331	2320
1058	1015	1891	2388	2136	2399	2416	2455	2332	2323
1068	1013	1875	2389	2381	2385	2412	2458	2333	2325
1066	1013	1885	2390	2377	2200	2416	2454	2331	2334
1066	1015	2120	2390	2386	2001	2432	2456	2345	2330
1066	1015	2396	2389	2389	1968	2417	2464	2337	2336
1062	1020	2386	2388	2379	1916	2419	2473	2334	2333
1058	1015	2389	2388	2394	1913	2409	2470	2331	2334
1050	1018	2385	2387	2396	1905	2415	2473	2331	2332
1029	1013	2380	2387	2378	2095	2433	2467	2324	2338
1030	1016	2386	2401	2380	2462	2422	2316	2327	2340
1030	1021	2390	2389	2390	2460	2413	2109	2331	2330
1030	1016	2380	2390	2379	2459	2446	1911	2319	2327
1029	1016	2386	2401	2394	2414	2432	1815	2319	2329
1030	1013	2386	2401	2382	2411	2437	1820	2324	2327
1031	1015	2387	2305	2383	2405	2467	1820	2327	2338
1035	1012	2389	2092	2385	2411	2438	1823	2327	2329
1037	1013	2388	1882	2378	2396	2443	1817	2327	2340
1037	1013	2393	1741	2399	2386	2435	1822	2327	2342
1038	1012	2392	1680	2390	2409	2433	1818	2336	2341
1043	1014	2402	1683	2381	2407	2432	1815	2326	2342
1062	1017	2391	1683	2382	2411	2451	1818	2324	2343
1041	1014	2390	1679	2391	2408	2460	1809	2327	2338
1044	1013	2400	1589	2393	2440	2433	1823	2326	2337
1044	1014	2401	1395	2385	2401	2435	1833	2326	2335
1050	1013	2400	1236	2383	2399	2432	1826	2329	2332
1050	1013	2390	1215	2385	2391	2433	1809	2342	2332
1052	1011	2394	1237	2385	2413	2434	1808	2343	2333
1052	1011	2392	1235	2384	2442	2433	1814	2339	2327
1055	1014	2393	1235	2380	2418	2433	1906	2340	2340
1054	1011	2402	1252	2382	2399	2433	2300	2343	2328

1056	1014	2402	1236	2380	2377	2418	2420	2343	2329
1055	1011	2402	1236	2384	2380	2423	2413	2344	2329
1043	1011	2392	1234	2386	2424	2244	2409	2343	2330
1044	1012	2392	1237	2382	2384	2052	2409	2331	2330
1046	1013	2393	1239	2373	2384	1833	2421	2330	2329
1044	1014	2393	1241	2374	2389	1833	2418	2331	2330
1055	1014	2403	1238	2373	2396	1835	2425	2329	2329
1060	1012	2403	1238	2380	2400	1839	2428	2210	2326
1059	1013	2613	1238	2376	2458	1822	8351	2116	2326
1060	1199	3103	1237	2380	2462	1807	15124	2107	2317
1056	1653	3593	1273	2384	2481	1824	15127	2113	2327
1049	1653	4583	1327	2377	2491	1846	16128	2103	2317
1052	1653	5593	1274	2381	3380	1813	17138	2096	2330
1054	1651	6581	1264	2379	6090	1833	17130	2101	2332
1058	1646	7334	1249	2363	6110	1829	17134	2117	2330
1048	1658	8336	1244	2387	6090	1805	16130	2229	2330
1050	1559	8344	1240	2394	6110	1819	14121	2603	2320
1055	1355	7313	1240	2382	10620	1852	14124	3466	2321
1239	1150	6333	1242	2384	19970	1828	14125	3457	2331
2172	1030	6093	1256	5310	24640	1834	14126	3455	2331
2537	1001	6084	1258	10040	24620	1839	14127	3470	2330
2528	1000	5827	1263	10060	24620	1834	14128	3467	2330
2532	1004	5107	1270	10050	24640	1815	12620	3459	2327
2529	1000	5096	1264	10050	20620	1810	10576	3480	2326
3051	1004	5096	1267	10030	14610	1816	8563	3459	2317
3055	1008	5086	1262	9750	14660	1822	8048	3471	2313
3053	1006	5085	1255	8770	14660	1832	8054	3464	2324
3061	1002	5385	1260	7770	14020	1828	8066	3453	2323
3045	1005	6385	1264	6740	13210	1826	8077	3458	2324
3036	1009	7103	1260	6010	12620	1832	8070	3454	2327
2784	1008	7099	1256	6020	12010	1824	7060	3454	2329
2520	1010	7100	1244	6000	11020	1829	6047	3468	2326
2523	1021	7102	1245	6010	9990	1833	5049	3455	2316
2432	1035	7108	1230	5760	9280	1815	5037	3456	2327
2269	1026	6837	1243	4730	14410	1818	5026	3468	2329
2051	1014	5848	1246	3740	39600	1818	5025	3458	2327
1842	1011	4825	1237	3250	50300	1838	4274	3471	2328
1641	1004	3831	1241	2990	50200	1839	3537	3460	2318
1444	1016	3340	1238	2990	78600	1834	3527	3458	2331
1240	1036	2842	1239	2970	133200	1682	3513	3468	2321
1083	1012	2451	1246	2980	137100	1627	3509	3463	2320
1047	1007	2204	1249	2960	111000	1626	3513	3474	2320
1055	1006	2002	1260	2990	103000	1629	3522	3461	2171
1060	1008	1820	1259	2990	92200	1635	3524	3471	2000
1049	1008	1738	1255	2970	80800	1644	3283	3469	2001
1049	1074	1740	1271	2980	66500	1811	2772	3459	2002
1055	1025	1733	1294	2980	51400	1832	2406	3459	2006
1046	1004	1738	1681	2990	45200	1839	2236	3459	2003
1053	1005	1739	1841	2980	39000	1842	2061	3464	2014
1052	1003	1733	2808	3000	28900	1855	2005	3460	2017
1048	1010	1739	4373	2990	22660	1892	2014	3466	2001
1045	1060	1724	5093	2990	20130	2072	1991	3466	2000
1055	1017	1727	5041	2970	20240	4394	2000	3454	2002
1061	1020	1732	5021	2980	19210	5824	1999	3454	2006
1063	1027	1731	5016	2554	17072	10136	2955	3454	1959

1059	1003	1727	5028	2694	14617	9559	3985	3468	1780
1056	1004	1736	5035	3519	13106	9265	5004	3454	1640
1049	999	1737	5016	3542	13102	9489	6037	3404	1650
1059	1082	1739	5014	3514	13140	11456	7438	2854	1640
1032	1052	1736	5017	4748	13136	14166	13816	2345	1640
1044	1009	1737	5017	5034	13331	14171	14118	2125	1641
1050	1003	1737	5031	5401	17160	14172	14117	1928	1650
1054	1002	1759	5027	7671	25200	14170	14127	1754	1641
1044	1000	1754	5022	8562	19000	12472	14127	1617	1644
1037	1001	1750	5023	10600	15269	12179	14128	1616	1642
1043	1000	1739	7769	12843	19800	10121	14125	1617	1640
1014	1001	1740	12045	13131	30300	6100	14132	1618	1638
1008	996	1734	12022	13354	30200	6097	14125	1615	1641
1021	998	1738	12026	14136	30300	6100	12627	1625	1641
1013	999	1731	12019	14137	29700	6102	10607	1625	1639
1030	999	1739	12920	13320	30300	6097	9582	1624	1639
1028	1000	1739	14735	12324	30200	7800	7303	1615	1640
1021	1001	1739	17717	11324	30500	18850	7053	1659	1640
1021	999	1725	17718	10699	30200	25200	7514	1625	1639
1019	1002	1734	17720	16220	29200	25200	11521	1614	1638
1021	999	1741	17724	24200	27200	25300	16127	1616	1640
1015	1002	1861	15521	23700	25100	25200	17129	1636	1639
1023	1013	1742	13720	23200	23200	25200	15432	1631	1639
1015	1061	1730	13719	20650	21190	25300	13334	1640	1647
1035	1020	1740	13719	14111	19110	25300	16316	1657	1648
1031	1021	1733	13722	14114	17200	25300	17726	1651	1652
1054	1022	1728	13721	14112	15200	25300	17723	1636	1647
1046	1013	1713	13724	14111	13100	23490	17725	1671	1640
1093	999	1723	13218	11112	11118	17770	17742	1990	1640
1067	1001	1714	12118	11011	9065	14116	17743	4475	1641
1044	999	1712	12118	12011	7034	14115	17808	7970	1651
1025	999	1725	11824	16370	6035	14092	19370	9113	1652
1013	1008	1736	10828	21500	6025	14103	24960	9114	1642
1020	1083	1748	9816	24200	6024	14119	25180	9102	1645
1027	1026	1737	8806	25800	7020	14133	25130	12541	1652
1023	1009	1724	8041	35600	8533	14131	25140	13141	1652
1021	999	1726	7285	44300	9041	14122	22770	13449	1651
1008	1037	1729	6304	44200	9031	14131	14203	14151	1658
1015	1025	1714	5277	34700	9050	14120	14182	14447	1654
1009	1004	1730	4278	29300	9047	14104	14155	15245	1647
1009	1001	1734	4022	24000	9047	14103	14150	15650	1646
1002	1004	1722	4022	14118	10047	14103	14147	16160	1647
1012	999	1757	4021	14110	11117	14104	14164	16145	1645
1017	999999	999999	999999	14112	999999	999999	999999	16147	999999
1016	999	1733	4022	14112	11019	14106	14145	16145	1636
1011	1002	1731	3520	14113	11018	14106	14136	16144	1641
1010	1001	1713	3018	14111	10552	13968	14144	16146	1642
1015	999	1713	3016	14015	8579	10618	16970	15841	1640
1012	999	1714	3515	14112	6561	10080	20100	13159	1648
925	1004	1713	5525	12609	4661	10084	20100	13144	1640
826	1002	1713	10555	10580	3152	8120	20100	13143	1638
810	1004	1724	14329	9051	3021	8066	19140	13449	1630
817	1001	1734	22270	9040	3019	8062	16623	17048	1642
829	1005	1718	57900	9040	2811	8056	14144	17145	1639
832	1004	1726	84300	9053	2309	8058	11126	17141	1637

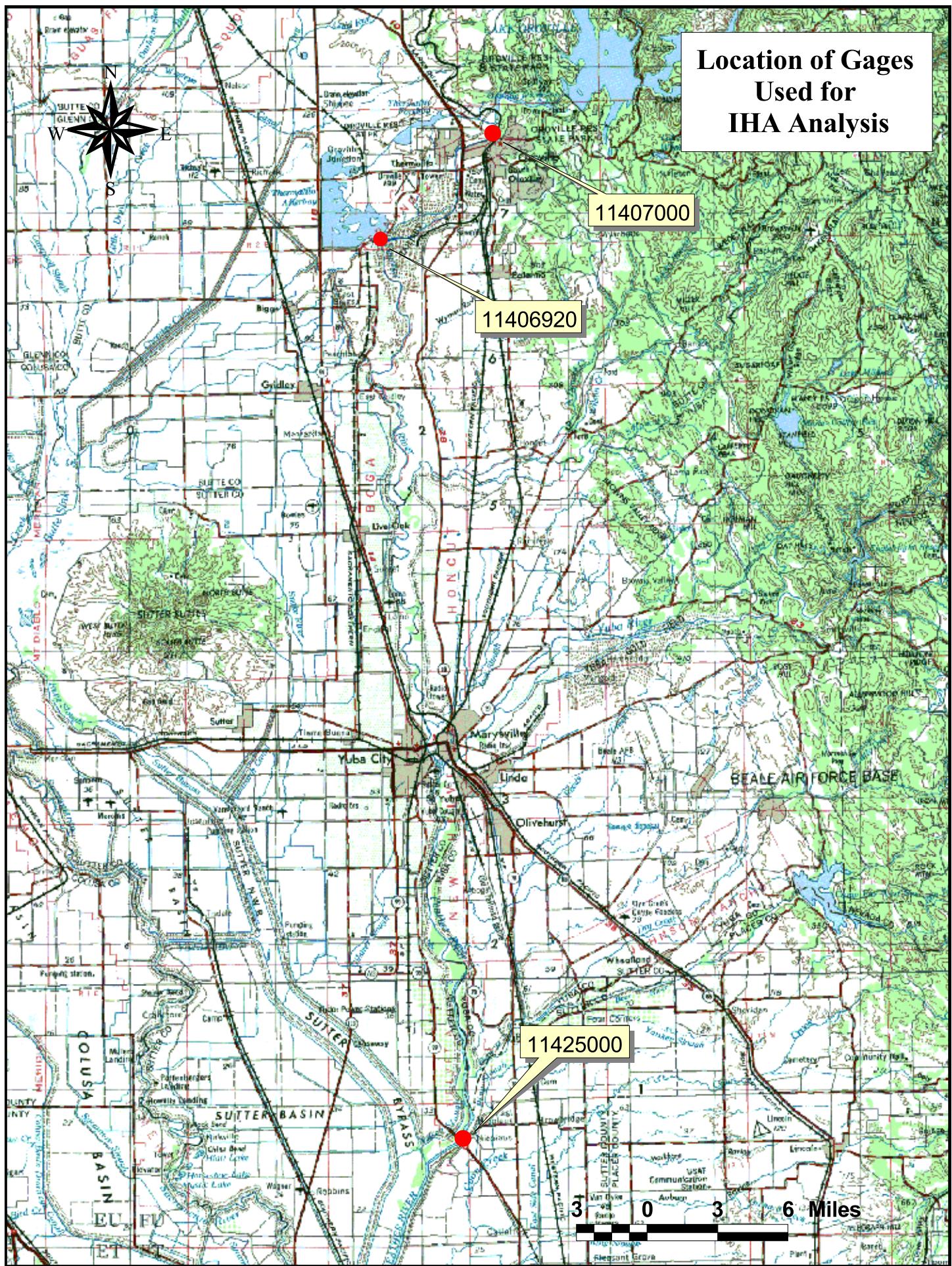
813	1004	1714	87100	9053	2103	8061	8064	17138	1639
820	998	1714	85700	9051	1909	8070	8058	16637	1640
826	1007	1714	83800	9052	1899	8062	8046	14538	1637
816	1213	1714	67400	9051	1919	8048	6717	10739	1690
823	2152	1714	54900	9050	1928	8052	6043	8849	1774
828	7048	1721	44900	9041	1924	6286	6132	7826	1779
827	16520	1724	40200	9051	1914	7216	6036	7072	1792
822	18532	1732	40300	9061	1913	10074	6037	7066	1768
820	18529	1713	35700	9050	1914	10221	5790	7069	1770
816	18327	1718	30200	9062	1912	13530	5282	6808	1769
820	17229	1725	30200	8563	1907	14038	4776	5819	1771
824	23550	1719	30200	7039	1939	14136	4285	5044	1771
821	38900	1728	27700	7029	1912	14138	4041	5045	1771
818	40100	1722	25140	6560	1915	19310	4017	4296	1759
830	40100	1731	25140	6032	1906	25200	3762	4015	1768
835	40100	1720	15559	6055	1917	25200	3273	3754	1758
838	37600	1720	14535	6054	1921	25200	3022	2918	1754
831	21250	1724	13028	6055	1924	25200	3013	2375	1762
827	16928	1716	11530	6045	1925	25300	3014	2355	1753
821	16934	1719	11531	6044	1935	18950	3013	2351	1750
819	16330	1724	11530	6889	1923	14136	3009	2353	1750
821	11929	1731	11526	10075	1903	14136	3013	2351	1758
826	11920	1726	11525	10075	1701	14136	3010	2361	1771
822	11910	1726	11526	10074	1496	11136	3014	2362	1772
829	11907	1717	11527	10073	1295	10076	3019	2353	1574
831	11913	1526	11828	10064	1194	10075	3025	2362	1371
824	11816	1328	12908	10053	1195	10083	3017	2902	1170
819	10905	1327	23400	10061	1192	10066	3028	3454	1067
823	9903	1330	24800	10064	1197	10082	3297	4264	1060
826	8904	1323	24800	10065	1195	10074	4008	5291	1063
831	7916	1330	24770	10067	1193	10085	4015	6502	1060
833	6942	1653	24680	10073	1189	10085	4013	6541	1064
835	5947	1773	22370	10071	1191	10086	4021	6547	1068
823	5078	1902	16542	10073	1191	10086	4019	6546	1064
821	4967	2011	16540	10119	1190	10077	4017	6547	1060
825	4972	2014	16238	13833	1191	9868	4011	6548	1062
822	4993	2012	15135	14135	1186	8044	4003	6291	1058
820	4993	2148	13734	14135	1206	8044	4004	5279	1059
821	4991	2650	12734	14035	1207	8044	4016	4531	1065
825	4994	3014	11734	12038	1199	6937	4277	4517	1266
819	4992	3028	10838	10086	1196	6041	5019	4515	1265
823	4994	3037	9795	10084	1199	6033	5013	4521	1263
821	4992	2540	8761	9564	1200	6045	5015	4510	1262
820	4990	2534	7748	7543	1199	6046	5014	4520	1261
818	4989	2557	6743	6065	1198	6034	5008	4520	1262
817	4733	2556	5755	6043	1188	6025	5019	4532	1260
807	4242	2992	5024	6034	1171	6035	5031	4725	1262
820	4002	2992	7115	6031	1177	6035	5023	5797	1266
850	3990	2989	15990	6043	1196	6037	5021	6786	1265
865	3979	2986	24280	6040	1198	6037	5014	7044	1266
879	3966	2988	45300	6038	1199	6034	5010	7303	1256
1379	3963	2999	60400	6039	1173	6030	5026	7568	1156
1362	3971	2983	60600	7032	1192	6025	5025	7578	1154
1363	3975	2986	60400	7043	1195	6184	4293	7569	1155
1373	3977	2994	54300	5783	1195	7028	4030	7572	1304

1381	4230	3002	30300	4775	1197	7048	4017	7575	1303
1655	4725	2997	28100	4033	1195	6435	4018	6808	1308
1999	5213	2992	23550	3525	1194	4387	4010	5807	1312
2011	5719	2508	15531	3024	1193	4008	4010	4799	1304
2010	6208	2304	13617	2523	1191	4003	4020	3759	1307
2009	6453	2099	11522	2322	1190	5695	3645	2918	1309
2013	6466	1892	10557	2117	1193	10035	3135	2384	1511
2152	6465	1690	9560	1917	1198	10065	2640	2357	1513
2310	6465	1495	9021	1723	1209	10069	2401	2359	1511
2309	6465	1286	8796	1523	1196	10076	2202	2373	2018
2298	6465	1204	7773	1532	1196	10071	1986	2383	2013
2298	6465	1223	7003	6607	1196	10068	1875	2172	2006
2306	5965	1232	6998	20480	1208	10064	1880	1957	2005
2308	5966	1222	7001	23200	1375	10075	1882	1848	2004
2313	5465	1225	7000	20730	2238	10074	1887	1853	2005
2313	5460	1221	6993	12840	2674	10074	1886	1847	2004
2311	5454	1210	7002	12150	3015	10071	1878	1880	2009
2311	5439	1205	7506	19980	3017	10061	1885	1893	2009
2312	5454	1207	9515	19980	3015	10063	1886	1890	2008
2311	4955	1192	11526	13130	3005	10064	1886	1897	2007
2307	4960	1195	13026	11012	3002	9939	1884	1894	2007
2306	4966	1201	13025	10051	3016	7501	1883	1892	2069
2555	4965	1193	13022	10060	3017	7402	1885	1900	2548
2806	4967	1192	13020	10051	3013	9641	1885	1896	2769
2808	4963	1188	13019	10064	3012	10082	1887	1892	3016
2811	5124	1202	13023	9032	3028	10061	1888	1898	3015
2833	5806	1207	13021	8017	3030	10068	1870	2378	3027
2833	6646	1199	13026	8038	3017	9186	1886	2878	3524
2825	6956	1202	13027	7048	2792	9091	1869	3454	3533
2826	7685	1188	13025	6037	2541	9074	1876	4017	3526
2822	8660	1185	13053	5539	2540	9090	1869	4030	3390
2821	8947	1197	13067	5018	2489	9073	1864	4035	2894
2816	8937	1363	13061	5021	2287	9075	1879	4035	2514
2585	8945	1693	13072	4024	2110	9067	1879	4029	2314
1956	8945	1689	12566	4004	2251	9072	1875	4035	2112
1466	8934	1685	10577	4028	2767	9082	1833	4021	1913
1322	8433	1685	10077	4011	3031	9084	1835	4033	1914
1319	7940	1691	10076	4026	3029	9568	1830	4041	1804
1314	7429	1697	9072	4016	3028	10843	1821	4030	1804
1312	6946	1688	8077	3516	3268	12140	1819	4039	1802
1324	6205	1685	7073	2997	3749	12142	1825	4093	1798
1238	5204	2173	7575	3002	4037	11623	1867	4031	1898
1085	4696	2189	10093	3018	4036	10559	1918	4031	1911
1025	3976	2694	10092	3009	4034	9562	1908	4032	1911
1028	3975	2677	10086	3006	4045	8556	1906	4024	1915
1026	3965	2690	10072	3021	4033	8038	1904	4034	1918
1033	3732	2689	10071	3024	4037	8038	1914	4280	1918
1029	3232	2688	9819	3013	4031	8049	1921	5283	1910
1026	2983	2686	8890	2991	4041	8061	1910	6311	1920
1036	2724	2676	8535	3006	4539	7689	1923	7298	1910
1525	2485	2676	8543	3008	4532	7050	1888	7565	1921
1509	2485	2678	8536	3048	4777	7544	2447	7563	1921
1513	2483	2674	8517	3524	5528	8073	4506	7816	1920
1507	2482	2673	8520	4246	6529	8071	6531	8566	1921
1509	2482	2672	8522	5260	7528	8047	7290	8571	1919

1428	2484	2673	8523	6271	7562	8058	7788	8568	1917
1213	2733	2682	8522	7030	7568	8045	8050	8567	1908
1061	3231	2975	8521	7040	7568	8047	8057	8568	1917
1012	3745	2979	8248	7041	7555	8058	8062	8576	1913
1191	3991	2977	7508	7040	7557	8049	8060	8576	1910
1027	3972	3225	7499	7042	7542	8049	8057	8326	1911
1048	4244	4226	6751	7041	7546	7555	8057	8062	1904
1038	4725	5212	5750	7031	7546	6534	8308	7566	1909
1037	5736	6205	4999	7041	7545	6544	8567	7566	1911
1037	6712	6215	4990	7042	7555	6537	8567	7566	1909
1358	6954	5948	5000	7044	7549	6291	8556	7306	1910
2003	6957	5922	5002	6791	7548	5287	8553	7063	1909
2004	6956	5718	4250	6541	7547	5016	8550	7068	1921
2250	6965	5441	4002	6541	7548	5026	8800	7078	1910
3000	6954	5441	3738	6542	7557	5026	8957	7068	1913
3000	6963	5447	2987	6544	7555	5011	8169	7067	1915
2901	6956	4706	2986	6809	7558	5021	9060	7068	1913
3011	6954	3698	2737	7049	7557	5010	9069	7068	1913
3008	6946	2955	2488	7065	7540	5009	9068	7077	1913
3016	6963	2455	2486	7062	7532	5009	9314	7077	1919
3016	6954	2484	2492	7048	7524	5022	9569	7077	1916
3017	6955	2499	2499	7043	7534	5027	9567	7808	1924
3018	7702	2499	2489	7054	7541	5023	9554	8078	1922
3017	7959	2289	2490	7055	7546	5017	9565	8068	1933
3016	7959	2097	2748	6564	7550	5022	9556	8073	1923
3012	7947	1894	3007	6052	7035	5019	9554	8073	1923
3015	7943	1893	2994	6065	7022	5014	9563	8077	1925
3014	7946	1856	3003	6064	7014	5015	9554	8078	1924
3015	8686	1858	2999	6053	7022	5023	9564	8079	1919
3017	9698	1861	2998	6064	7025	5052	9315	8073	1924
3020	10712	1863	3001	5551	7055	5025	8804	8073	1926
3021	10911	1851	2994	5034	7060	5022	8554	8061	2304
2522	10912	1869	2995	5053	7056	5000	8554	7555	2435
2469	10711	1869	3241	5057	7061	5001	8555	7556	2439
2409	9691	1868	4244	5554	7060	5011	8049	7306	2435
2209	8686	1997	4516	6053	7061	5012	7541	6795	2437
2020	7954	2368	4531	6064	7051	5011	7043	6056	2440
1899	7948	2368	4527	6066	7040	5023	6548	6045	2438
1953	7939	2365	4512	6068	6790	5196	6037	6045	2439
2500	7940	2369	4515	6070	6030	6719	5514	5535	2435
2514	7939	2368	4527	6061	5289	7054	4821	5535	2432
2515	7201	2368	4515	6048	4288	7038	4048	5535	2433
2509	6965	2365	4517	6052	4029	6027	4039	6050	2430
2507	6212	2366	4513	6052	3541	6035	4026	6056	2436
2517	5972	2366	4516	6053	3521	6045	4020	6057	2331
2521	5963	2353	4513	6055	3386	6018	3991	6057	2131
2507	5957	2363	5012	6045	3026	6032	4003	6057	2031
2502	5981	2843	5014	5789	3744	6036	3768	6057	2033
2501	5719	2864	5017	5029	4510	6038	3256	6057	2031
2496	5464	2864	5017	5031	4758	6029	3023	6057	2032
2511	5461	2853	5018	5031	3779	6050	3267	6057	2030
2501	5463	2855	5015	5036	3201	6031	3775	6047	2033
2511	5454	2868	5012	5034	3026	6020	4271	6047	2033
2504	5453	2863	5509	5034	3761	6003	4530	6088	2032
2507	5472	2865	5525	5040	4141	6004	4538	6045	1822

2500	5466	2868	5523	5020	5021	6022	4539	6054	1626
2502	5466	2865	5528	4271	4751	6012	4555	6059	1429
2502	6184	2867	5528	4032	3771	5523	4802	6051	1220
2503	6925	2868	5527	3294	3019	5518	5530	6053	1223
2501	6957	2870	5527	3023	2498	5516	5536	5801	1228
2509	6940	2867	5529	3015	2509	5507	5506	5547	1246
2501	6214	2867	5531	3013	2509	5509	5308	5049	1216
2493	5199	2867	5532	3005	2509	5526	4345	5037	1223
2505	4200	2866	5533	3008	2510	5996	3557	5047	1217
2515	3220	2868	5540	2999	2503	6488	3550	5046	1211
2508	2718	2870	5535	3010	2288	6963	3555	5046	1213
2501	2482	2871	5544	3011	2090	7543	3554	5030	1217
2513	2484	2862	5548	3010	1902	7536	3552	5047	1219
2504	2484	2870	5550	3010	1797	7536	3553	4537	1220
2499	2404	2861	5798	3009	1779	7671	3558	4047	1221
2505	2182	2900	6803	3004	1795	8045	3054	3477	1224
2505	1974	2919	7060	3016	1796	7768	3059	3466	1224
2509	1774	2919	7051	3014	1774	6588	3062	3467	1230
2502	1685	2918	7048	3014	1782	5656	3043	3472	1220
2495	1684	2917	7061	3017	1807	4666	3041	3471	1213
2494	1682	2894	7072	3015	1834	4081	3059	3469	1202
2501	1682	2869	7072	2515	1838	4019	3058	3487	1200
2503	1684	2863	7063	2306	1835	4022	3061	3476	1198
2508	1684	2863	7064	2106	1847	4643	3049	3480	1204
2514	1685	2861	7064	1905	1836	5386	3085	2911	1205
2517	1685	2862	7059	1805	1825	6039	3093	2904	1216
2519	1682	2863	7060	1805	1818	6029	3056	2909	1212
2529	1683	2861	7058	1805	1816	6029	3059	2918	1213
2507	1684	2882	7061	1805	1805	6055	3044	2917	1210
2519	1685	2886	7063	1804	1810	6059	3023	2920	1213
2512	1685	2876	7066	1804	1810	6055	2429	2914	1209
2513	1785	2867	7102	1805	2060	6065	2416	2921	1212
2501	1984	2870	7063	1805	2809	6065	2415	2921	1214
2514	2084	2868	7061	1805	2822	6064	2761	2921	1216
2521	2184	2863	7064	1798	3067	6045	3762	2921	1212
2511	2282	2871	7066	1788	3838	6033	4024	2920	1209
2523	2282	2870	7067	1790	4062	6031	4026	2915	1211
2515	2283	2867	7066	1799	4326	6043	3523	2911	1214

**Location of Gages
Used for
IHA Analysis**



IHA Annual Summary Statistics
11407000

Year	October	November	December	January	February	March	April	May	June
1902.00	2000.00	3000.00	4000.00	2069.03	16790.36	9969.68	16718.67	10739.68	5649.67
1903.00	1423.23	3533.00	5888.39	7390.00	5241.79	11872.58	18863.33	9422.58	4272.33
1904.00	1769.03	19713.00	4175.48	3428.71	28026.55	39761.29	24686.67	18558.06	7878.67
1905.00	4291.94	2754.33	6226.45	10374.52	10197.50	14250.97	10137.33	7632.58	4220.33
1906.00	1282.58	1319.33	1386.13	14514.19	11098.57	21589.68	19190.00	17529.03	13814.33
1907.00	1680.00	2208.33	7014.19	7127.10	21537.50	36892.26	29460.00	23380.64	15198.33
1908.00	1854.52	1780.00	4508.71	7245.16	6382.41	7245.16	9206.33	8173.23	5313.00
1909.00	1645.81	1754.33	1910.00	39861.93	18382.14	13432.26	15856.67	14016.13	9096.67
1910.00	1962.26	5747.33	8139.35	6748.39	7969.64	17948.39	12650.00	6848.39	2621.00
1911.00	1273.87	1864.00	3401.61	8958.71	10240.36	15781.29	30096.67	22122.58	15649.67
1912.00	1328.71	1562.67	1427.74	3419.68	2730.69	3999.03	4187.33	8270.97	4300.67
1913.00	1010.97	2811.67	1742.26	3351.94	2661.79	3657.74	10053.33	9958.06	4065.67
1914.00	1025.81	1737.00	5741.61	23388.71	14660.71	16625.81	18253.33	14158.06	7062.33
1915.00	2064.52	2379.67	3034.52	4482.26	14310.00	10137.74	13176.67	21490.32	8395.67
1916.00	2047.10	2403.33	4077.74	9725.81	16010.34	19561.29	18420.00	12246.77	5893.00
1917.00	2605.16	2655.33	4586.13	3056.45	9721.43	6637.42	15876.67	13490.32	7139.67
1918.00	2165.48	2154.33	2330.65	1794.84	3348.93	7818.06	9783.67	4622.58	1863.67
1919.00	2265.81	2534.33	2511.94	2560.00	8528.57	6446.77	13846.67	9446.45	2764.67
1920.00	2007.74	1805.83	2358.39	1732.58	1803.10	4146.13	7161.33	5976.13	2306.33
1921.00	1580.65	8553.67	8193.55	12911.29	9975.00	14120.00	11621.33	13041.94	6651.67
1922.00	1613.87	1631.00	3098.39	3002.90	7032.14	7284.84	13897.00	23903.23	11094.67
1923.00	1649.68	2384.33	6230.97	5044.52	3627.14	4932.26	9475.33	6273.87	3051.00
1924.00	1710.32	1621.67	1507.74	1637.10	4474.14	1564.19	2145.67	1246.13	924.33
1925.00	1511.29	2113.33	2214.19	2405.48	12403.93	5087.42	7706.00	5580.00	2730.00
1926.00	1687.10	1938.00	2147.74	2382.90	10123.93	5567.42	12766.67	4174.52	1934.33
1927.00	1717.74	6800.00	4307.42	5276.13	21250.00	10925.16	13846.67	9729.03	4634.00
1928.00	1813.87	3781.67	2545.48	3195.81	5761.38	20833.87	10200.67	5031.94	2121.33
1929.00	1535.48	1676.67	1869.03	1973.55	3497.86	4587.42	4364.33	5078.06	2509.67
1930.00	2131.94	1719.33	12702.90	4658.06	6405.71	8806.45	8870.00	5600.65	2599.00
1931.00	2340.97	2470.67	2215.48	3019.03	2531.07	3508.06	2167.67	1683.87	1265.33
1932.00	1224.52	1400.17	3816.13	3299.03	2953.45	7627.10	8491.67	8785.16	4032.67
1933.00	744.68	853.27	1342.58	1939.03	1713.93	3396.77	4571.33	4980.32	3443.33
1934.00	1562.90	1612.67	2653.23	3781.61	4670.71	4763.23	3476.33	2257.10	1618.33
1935.00	1404.52	2076.67	2010.32	3951.29	3628.21	4904.84	21472.33	13149.03	5794.33
1936.00	1718.39	1544.00	2230.32	9600.65	15200.00	9557.42	10162.33	7167.74	4210.33
1937.00	1736.77	1353.10	1285.52	1376.45	3873.93	7098.71	10469.33	10267.42	4082.00
1938.00	2038.39	5212.33	17597.10	5241.61	14932.14	21661.29	24443.33	25151.61	11511.00
1939.00	2096.77	2376.00	3014.84	2415.48	2514.29	4339.03	4542.33	2080.65	1465.33
1940.00	1410.48	1168.63	1721.94	9473.23	18911.04	23161.94	16159.00	6830.32	2995.00
1941.00	2377.74	2474.67	9780.97	11484.84	19006.07	14786.13	13613.33	15645.16	6226.33
1942.00	1892.90	2349.00	12073.87	14015.48	19432.86	7991.29	16632.33	13851.61	8750.00
1943.00	2316.77	3471.67	6202.26	15280.97	10286.07	18588.39	13960.00	7177.74	4739.00
1944.00	1747.10	2026.33	2001.61	2187.74	4045.52	6466.77	7521.00	8226.45	3182.00
1945.00	1592.58	3175.33	4387.42	3356.77	12822.50	5637.42	7679.00	8288.71	3909.33
1946.00	2188.06	3482.00	13576.13	9293.87	4806.43	6450.00	9399.67	7187.74	3062.33
1947.00	1587.74	2743.33	2609.03	1350.00	5363.93	7140.00	5745.33	2885.48	2414.00
1948.00	1966.58	1903.00	1750.10	5750.97	2716.55	3809.03	13748.00	11141.61	6907.67
1949.00	2273.55	1992.33	1884.52	1910.32	2748.57	6845.16	9434.67	6526.13	2502.00
1950.00	1048.90	1140.50	1101.68	4763.87	9636.79	8456.77	12294.00	9532.58	4138.00

1951.00	3061.61	11944.33	17293.55	10890.65	13878.57	8314.19	8197.33	7365.81	3018.33
1952.00	2383.55	3293.00	10078.39	9188.06	15817.24	11849.03	29053.33	23451.61	11079.00
1953.00	2570.32	2577.33	4670.97	19235.48	5918.21	6564.84	11139.00	11258.71	8695.33
1954.00	2702.58	3595.00	3176.13	4370.97	8122.14	11348.06	14761.33	7425.16	3961.33
1955.00	2781.29	3551.33	4083.23	2347.42	1998.93	3291.29	4585.00	6923.87	3014.00
1956.00	1564.19	2026.33	28405.48	20029.03	12432.41	12409.68	13120.00	14287.10	7155.67
1957.00	3150.97	3230.33	2199.68	2620.97	10456.43	9760.00	5880.33	8573.87	3887.67
1958.00	3280.00	3683.00	5704.84	6197.10	23892.86	12889.68	19336.67	17190.32	9387.33
1959.00	2336.45	2833.67	2828.71	6000.32	7496.07	6518.39	5909.33	3898.71	2298.33
1960.00	1831.29	1665.67	1597.81	2252.65	10325.17	10614.84	6923.00	4449.35	3269.67
1961.00	1467.10	2469.00	3362.58	2121.94	5656.79	4650.00	5008.33	4701.61	2892.33
1962.00	1100.13	1368.67	2552.90	1741.61	10821.43	6079.35	11428.33	7272.26	4655.67
1963.00	12374.19	3959.33	7867.10	5585.16	17317.86	5430.32	18720.00	12065.81	4413.67
1964.00	1878.71	4457.67	3523.55	3751.94	2673.10	2972.58	5132.67	4742.58	2872.00
1965.00	2793.87	3065.33	28335.81	18123.55	8935.00	6971.61	14071.67	9517.10	5355.00
1966.00	3366.77	4453.00	3602.90	4517.10	3272.50	5481.29	8802.33	4937.10	2322.00
1967.00	1069.77	3620.67	7710.00	11980.65	9625.00	12631.94	9498.33	16744.52	11334.00
1968.00	2749.68	1579.20	823.32	406.52	618.45	485.94	401.67	404.94	401.93
1969.00	398.74	413.03	405.00	7599.00	3015.14	737.13	1466.40	387.35	407.90
1970.00	412.65	437.67	898.45	23240.36	448.68	426.13	417.87	410.61	414.80
1971.00	411.39	411.93	411.35	406.71	424.68	1343.39	407.60	402.23	410.57
1972.00	405.26	408.90	413.77	411.13	435.28	406.42	478.13	402.90	408.00
1973.00	420.58	406.03	400.32	3566.35	419.04	405.84	412.23	408.84	407.43
1974.00	407.39	2268.13	411.10	8178.35	409.61	2112.74	6753.53	416.19	405.13
1975.00	604.26	845.40	836.90	856.13	411.89	409.90	411.33	416.16	415.40
1976.00	400.19	402.50	399.68	401.42	399.59	406.39	407.37	407.94	410.50
1977.00	405.16	402.57	411.10	406.45	407.68	406.42	401.13	398.81	407.43
1978.00	760.35	556.30	399.26	403.81	399.21	404.35	401.77	407.39	408.00
1979.00	399.68	396.57	392.42	402.26	409.54	414.77	407.83	413.45	416.27
1980.00	411.87	409.67	408.19	11724.06	6252.55	408.45	404.87	400.23	411.57
1981.00	409.68	402.03	401.16	402.87	403.61	407.10	405.00	413.39	406.00
1982.00	406.06	3313.23	6338.74	1154.35	4300.46	414.42	7063.77	420.58	410.00
1983.00	408.48	405.00	1220.29	2333.52	4957.46	15567.32	417.53	423.10	417.57
1984.00	444.19	1009.30	6952.61	865.32	410.52	419.55	413.17	407.90	415.97
1985.00	411.77	415.20	415.77	413.94	416.64	427.10	419.93	426.90	414.53
1986.00	415.87	414.43	419.55	419.13	25175.50	8602.45	417.07	418.03	411.97
1987.00	429.39	428.73	432.58	431.03	434.00	435.61	432.17	432.42	498.17
1988.00	456.48	450.70	508.74	576.81	581.79	660.19	640.50	638.97	636.93
1989.00	648.00	644.23	639.00	640.90	642.00	640.13	641.67	621.97	997.80
1990.00	622.84	632.30	636.06	642.32	643.71	639.23	646.70	631.90	626.83
1991.00	616.77	623.20	623.61	619.39	623.21	631.55	624.03	625.90	623.97
1992.00	629.68	623.07	624.32	621.68	626.31	618.74	618.57	620.13	630.90
1993.00	616.71	614.43	617.00	624.39	624.64	4508.77	626.77	613.68	614.07
1994.00	613.87	620.07	623.65	617.65	637.68	627.55	627.23	637.77	624.03
1995.00	618.00	622.50	630.84	657.39	624.21	18872.68	2489.53	7915.68	652.47
1996.00	1580.32	1591.33	1584.52	1098.39	7240.66	617.23	626.17	1883.35	619.57
1997.00	1154.81	1624.00	7728.39	26747.52	5299.43	634.45	622.53	626.29	638.27
1998.00	779.42	936.67	927.71	955.45	4366.89	2450.19	631.13	624.29	634.77
1999.00	630.45	636.73	625.45	622.45	1938.18	930.29	620.43	621.77	617.03
2000.00	640.55	637.47	619.55	617.61	638.50	635.45	614.73	638.10	624.37
2001.00	629.97	635.33	627.87	630.97	634.32	629.94	631.90	619.84	625.30

July	August	September	1-day min	3-day min	7-day min	30-day min	90-day min	1-day max
2188.39	1462.90	1198.00	1170.00	1170.00	1170.00	1170.00	1329.33	38100.00
2283.23	1805.16	1591.00	1170.00	1170.00	1170.00	1423.00	1705.89	93000.00
3051.29	2005.48	2262.33	1540.00	1560.00	1580.00	1756.67	2265.22	106000.00
1810.65	1351.29	1272.00	1200.00	1200.00	1217.14	1247.00	1275.00	68400.00
4708.71	2200.00	1726.67	1200.00	1200.00	1212.86	1256.00	1324.78	96300.00
5998.71	2646.13	1900.67	1650.00	1650.00	1680.00	1680.00	1842.89	187000.00
2315.16	1509.68	1250.00	1250.00	1250.00	1250.00	1250.00	1413.78	16300.00
3268.71	1797.10	1817.67	1250.00	1250.00	1250.00	1433.33	1774.67	137000.00
1599.68	1349.03	1171.00	1010.00	1033.33	1082.86	1163.33	1258.78	31000.00
3865.16	1649.68	1311.00	940.00	1060.00	1074.29	1266.33	1367.56	75400.00
1176.45	969.03	1184.83	820.00	820.00	820.00	939.17	1046.83	16400.00
1646.13	1167.10	1011.00	845.00	845.00	905.00	1006.00	1059.33	14200.00
2383.55	1832.90	1843.33	980.00	986.67	1002.86	1025.33	1842.22	88000.00
3126.45	2152.26	2086.67	1710.00	1740.00	1818.57	2035.00	2081.56	65900.00
3044.19	2339.68	2272.00	1560.00	1900.00	1998.57	2043.00	2402.89	41600.00
2763.23	2357.10	2236.33	1970.00	2110.00	2150.00	2162.33	2144.33	71600.00
1555.81	1636.77	1620.67	1180.00	1313.33	1425.71	1539.00	1595.11	26400.00
1993.23	1904.52	1819.00	1540.00	1716.67	1751.43	1800.00	1874.39	44500.00
1804.52	1547.74	1267.00	905.00	1078.33	1167.14	1228.00	1429.11	19700.00
2814.52	1859.35	1654.33	950.00	1093.33	1265.71	1559.67	1605.56	49600.00
2693.23	1732.90	1561.00	1160.00	1256.67	1388.57	1491.00	1624.00	32900.00
1886.45	1706.77	1587.33	1010.00	1240.00	1488.57	1527.67	1617.56	19600.00
851.94	956.13	992.00	720.00	773.33	821.43	845.33	902.22	31200.00
1773.55	1673.23	1712.67	1030.00	1083.33	1185.71	1499.33	1690.44	48400.00
1842.58	1815.16	1861.00	1280.00	1383.33	1485.71	1614.33	1767.33	43800.00
2107.74	1859.35	1788.67	1360.00	1473.33	1535.71	1590.00	1794.56	80300.00
1976.45	1667.10	1417.67	1210.00	1286.67	1337.14	1388.00	1523.44	122000.00
1923.55	2182.90	2135.00	1270.00	1350.00	1431.43	1531.67	1680.89	11600.00
1887.10	1892.90	2185.33	1200.00	1270.00	1321.43	1538.33	1957.89	73400.00
1225.16	1180.32	1125.00	950.00	990.00	1025.71	1031.33	1129.56	8440.00
1988.39	1650.97	1055.87	685.00	653.67	651.86	744.70	861.77	17400.00
1585.48	1400.97	1172.67	577.00	594.00	656.43	714.73	977.37	7840.00
1534.84	1445.16	1352.00	1180.00	1210.00	1278.57	1322.33	1395.33	14100.00
2066.77	2085.48	1648.33	1120.00	1240.00	1275.71	1399.33	1624.33	51300.00
2242.26	2157.10	2110.67	1130.00	1406.67	1438.57	1542.00	1461.71	54200.00
2138.39	1575.48	1560.00	705.00	770.00	1010.29	1145.53	1326.27	18400.00
3333.87	2370.65	2304.33	1640.00	1706.67	1775.71	2016.33	2243.11	145000.00
1460.32	1601.61	1484.33	1340.00	1360.00	1372.86	1412.83	1340.33	7200.00
1912.90	1812.90	2179.00	615.00	806.33	1030.57	1159.63	1426.38	131000.00
2753.87	2045.16	1877.33	1210.00	1623.33	1801.43	1819.33	1932.89	70400.00
3169.35	2209.03	2287.00	1660.00	1713.33	1764.29	1890.67	2237.00	88400.00
2235.81	1975.81	1650.33	1500.00	1520.00	1530.00	1566.67	1763.67	64500.00
2237.42	2083.23	1651.33	1390.00	1390.00	1482.86	1514.33	1751.44	18100.00
2297.42	2084.52	2040.00	1120.00	1420.00	1491.43	1524.33	1994.33	45800.00
2376.45	2286.77	1913.67	1250.00	1356.67	1534.29	1570.67	1729.67	45800.00
2208.39	2152.26	1692.67	1010.00	1183.33	1227.14	1331.33	1832.27	29200.00
2442.26	1839.68	1767.67	984.00	1178.00	1357.71	1638.00	1871.30	31100.00
2099.68	1944.19	1169.13	858.00	914.00	948.86	993.37	1071.51	12900.00
2082.90	1811.94	1905.33	614.00	788.33	837.29	1039.60	1096.70	39100.00

2235.48	1944.19	1883.67	1510.00	1700.00	1781.43	1832.67	1995.67	67100.00
4431.29	2858.39	2625.33	1380.00	1890.00	2018.57	2356.00	2590.11	47600.00
3526.77	2743.87	2693.00	1910.00	2336.67	2454.29	2531.33	2682.33	97100.00
2921.29	2730.32	2701.00	1310.00	1373.33	1491.43	2211.00	2713.11	45200.00
2018.71	1828.71	1546.00	1290.00	1306.67	1437.14	1506.33	1604.22	10600.00
3220.65	2886.77	2832.00	1260.00	1303.33	1447.14	1562.67	2875.56	172000.00
2225.16	1972.58	2379.33	1530.00	1620.00	1884.29	1949.00	2167.78	59000.00
3706.13	2689.03	2559.33	2090.00	2096.67	2201.43	2306.00	2485.44	71400.00
2439.35	1912.90	1428.27	968.00	1009.33	1052.57	1427.27	1643.76	25900.00
2600.65	2271.29	1621.67	872.00	1120.67	1408.86	1451.33	1654.22	95800.00
2586.77	2491.61	1302.30	967.00	977.33	991.86	1074.77	1225.70	14000.00
2965.48	2695.81	2001.00	964.00	1023.33	1052.86	1096.00	1666.27	33100.00
3127.10	1993.87	2016.00	1670.00	1596.67	1574.29	1899.33	1940.00	125000.00
2629.68	2349.35	1859.67	1280.00	1293.33	1297.14	1732.00	2252.44	16200.00
3442.90	3098.71	2858.00	1060.00	1383.33	2018.57	2606.33	3031.44	156000.00
2715.81	2235.48	1409.33	1240.00	1250.00	1198.57	1079.43	1372.37	13400.00
4782.90	3264.84	2882.67	704.00	836.33	895.86	1054.77	1758.41	48300.00
409.32	409.52	411.57	354.00	366.33	384.86	396.93	402.20	4970.00
415.39	398.39	399.03	353.00	364.00	368.57	383.93	399.41	37400.00
426.42	403.45	401.47	370.00	376.67	387.57	400.07	405.11	53300.00
407.06	407.97	408.13	386.00	390.33	396.29	401.17	405.86	6960.00
407.48	408.42	388.73	222.00	298.33	336.86	383.47	399.92	2050.00
410.87	409.29	414.07	380.00	382.00	394.00	399.90	404.53	29000.00
412.58	409.68	410.23	388.00	389.33	391.43	403.23	408.91	37300.00
407.61	404.29	413.03	369.00	371.67	380.29	396.00	400.88	890.00
404.29	402.90	403.17	369.00	375.00	387.71	397.53	399.92	431.00
404.77	406.58	399.70	372.00	384.67	387.29	395.10	401.83	434.00
410.58	406.65	402.13	378.00	383.00	390.00	396.00	396.32	836.00
410.52	393.19	404.70	375.00	382.00	384.71	391.30	395.89	561.00
411.58	409.94	404.30	380.00	382.33	389.86	399.17	404.04	64700.00
403.61	406.26	408.70	389.00	390.00	390.71	400.43	401.67	428.00
412.94	408.16	391.93	352.00	355.33	377.71	391.83	400.77	41400.00
415.77	415.71	421.87	334.00	366.67	395.86	403.83	416.14	43100.00
423.94	398.26	420.47	347.00	351.00	372.86	393.33	409.18	30600.00
417.39	416.45	414.60	391.00	397.33	404.14	409.87	413.48	463.00
423.35	423.68	433.93	393.00	398.67	401.86	408.80	415.39	132000.00
628.58	485.97	476.77	411.00	415.00	416.00	426.37	430.22	794.00
637.55	634.87	644.13	416.00	436.33	439.43	449.47	470.13	708.00
621.97	618.42	617.83	602.00	603.00	605.57	614.87	617.76	2540.00
632.97	625.03	613.17	607.00	607.00	610.14	612.60	616.39	789.00
613.32	626.58	626.93	594.00	605.67	608.14	612.93	620.66	681.00
774.61	602.74	623.40	419.00	439.33	528.43	601.77	613.93	1030.00
614.48	615.42	613.20	599.00	604.33	608.29	610.97	613.02	23500.00
619.71	618.90	626.57	604.00	606.00	608.43	613.50	619.16	751.00
620.58	617.94	640.07	612.00	613.00	614.29	617.47	623.76	70100.00
630.74	638.65	622.90	608.00	610.00	610.71	614.53	628.61	30200.00
627.13	640.19	628.37	601.00	604.00	608.00	620.20	625.00	126000.00
625.00	619.55	630.30	602.00	605.67	606.86	616.90	623.24	10200.00
625.81	627.68	659.37	559.00	561.67	572.86	609.30	617.33	8080.00
625.52	623.10	632.60	605.00	607.67	609.14	613.87	623.64	694.00
710.35	671.61	633.43	614.00	614.33	616.00	619.77	625.18	746.00

	3-day max	7-day max	30-day max	90-day max	Zero days	Base flow	Date min	Date max	Lo pulse #
35766.67	29185.71	18996.67	14881.22	0	0.19	256	97	1	
66333.34	44614.29	23500.00	13609.44	0	0.19	275	90	4	
88333.34	66414.29	47070.00	33126.67	0	0.12	262	55	5	
38433.33	21677.14	15216.67	12404.67	0	0.2	261	365	1	
69166.66	46657.14	26416.67	20312.22	0	0.13	316	18	2	
150333.30	100971.40	44983.33	31032.22	0	0.13	245	79	4	
14900.00	11985.71	9709.67	8372.67	0	0.26	241	21	3	
128666.70	89471.43	41186.67	24187.78	0	0.12	275	16	9	
28100.00	24600.00	18543.33	13351.22	0	0.17	244	344	5	
51700.00	44471.43	30466.67	24124.45	0	0.11	299	31	7	
11166.67	9351.43	8324.00	5810.44	0	0.28	232	26	5	
13000.00	11714.29	10458.33	8352.00	0	0.25	288	130	6	
74466.66	46085.71	26128.33	19201.67	0	0.11	279	366	14	
57066.67	41514.29	22410.00	15708.33	0	0.25	289	132	2	
37233.33	30371.43	21290.00	18575.55	0	0.25	305	80	1	
48566.67	29314.29	17191.33	13368.44	0	0.36	260	56	0	
22333.33	17500.00	12032.00	7508.56	0	0.42	203	86	12	
31333.33	20085.71	14050.00	10712.22	0	0.37	275	42	23	
16766.67	12200.00	7873.00	5932.00	0	0.41	332	107	23	
33333.33	21242.86	14278.67	13001.78	0	0.16	277	324	5	
31500.00	28600.00	24763.33	16879.67	0	0.21	283	141	11	
16700.00	13671.43	9494.00	6950.89	0	0.37	260	97	11	
20733.33	11587.14	4577.00	2765.67	0	0.51	182	39	8	
41833.33	27971.43	12027.67	8372.56	0	0.31	279	37	15	
37666.67	29671.43	12830.67	9512.11	0	0.37	10	99	25	
59666.67	43214.29	21411.33	15294.00	0	0.22	262	52	15	
107000.00	69028.57	25568.00	12461.44	0	0.27	274	86	19	
8426.67	6284.29	5490.00	5604.33	0	0.52	282	35	9	
57266.67	41400.00	13650.33	8891.00	0	0.27	343	350	16	
7270.00	5820.00	3714.67	3036.22	0	0.5	271	79	13	
15333.33	12254.29	9752.33	8550.56	0	0.17	268	80	8	
7680.00	7170.00	5269.33	4672.78	0	0.29	277	151	9	
11893.33	9517.14	5159.33	4417.22	0	0.5	253	89	5	
39400.00	29900.00	21890.00	13781.56	0	0.24	334	99	12	
46000.00	30885.71	18001.67	12175.89	0	0.26	308	53	12	
16700.00	13971.43	11545.67	9522.00	0	0.26	348	106	5	
95400.00	53957.14	29626.67	24300.00	0	0.16	275	346	7	
6883.33	6627.14	5657.00	3825.89	0	0.56	271	87	14	
100600.00	63942.86	26826.67	19569.78	0	0.14	310	90	9	
52666.67	35271.43	22766.67	16371.11	0	0.21	301	42	18	
59900.00	42528.57	25941.00	16409.11	0	0.2	286	37	6	
60333.33	41342.86	19723.33	16975.00	0	0.21	270	23	5	
12600.00	12000.00	8938.33	7470.33	0	0.41	361	64	16	
34466.67	26128.57	12271.33	8606.22	0	0.32	290	33	5	
41466.67	33471.43	18139.00	9772.22	0	0.28	284	364	5	
21933.33	13507.14	7881.67	6296.78	0	0.39	322	43	12	
25333.33	21114.29	15294.33	10954.11	0	0.29	279	108	11	
12366.67	12271.43	9925.67	7672.11	0	0.28	270	71	15	
30200.00	20928.57	12383.33	10775.56	0	0.17	339	37	10	

50400.00	34957.14	22724.67	15820.67	0	0.24	274	326	13
37966.67	33657.14	29856.67	22196.33	0	0.19	295	33	4
57333.33	41514.29	20141.67	11039.11	0	0.36	307	9	0
38966.67	24742.86	15058.67	12114.00	0	0.27	15	70	2
10210.00	9817.14	7052.67	10444.78	0	0.45	270	130	7
137600.00	90542.86	39190.00	22016.00	0	0.14	276	358	3
52666.67	34157.14	16261.00	10090.00	0	0.4	5	55	7
51233.33	34457.14	23556.67	18945.33	0	0.24	270	56	0
21666.67	16381.43	8731.33	7027.11	0	0.28	258	48	5
51700.00	29427.14	11646.67	9290.89	0	0.34	362	39	6
11263.33	8691.43	6094.00	5186.56	0	0.31	274	31	5
26366.67	23642.86	12548.33	9968.56	0	0.23	275	41	9
90533.34	52900.00	19596.67	14439.33	0	0.2	281	32	7
11823.33	7417.14	5132.67	11087.56	0	0.4	260	21	8
145333.30	99357.14	39366.67	19314.78	0	0.23	313	358	1
13033.33	11052.86	8943.67	6506.78	0	0.31	274	101	1
46066.67	31514.29	17836.67	14043.67	0	0.11	300	30	3
4170.00	3770.00	2802.00	1748.19	0	0.51	109	277	4
26800.00	21402.86	9308.40	4152.83	0	0.28	149	22	6
52500.00	46685.71	24032.43	8461.44	0	0.16	292	25	3
6943.33	4539.57	1375.03	735.83	0	0.81	9	88	3
1056.33	687.57	478.70	439.83	0	0.81	263	118	2
26633.33	14393.00	3678.43	1499.18	0	0.58	81	17	2
36100.00	29414.29	8520.13	5786.52	0	0.21	81	93	4
885.67	874.86	856.17	847.34	0	0.71	207	14	2
426.00	419.29	412.07	409.23	0	0.96	52	191	2
421.67	539.86	745.97	578.02	0	0.96	122	84	2
822.33	817.43	806.33	576.16	0	0.87	77	303	2
490.67	447.57	423.47	414.71	0	0.95	219	166	2
59700.00	47500.00	12108.27	6189.91	0	0.21	24	15	3
422.33	420.00	413.80	3046.31	0	0.96	90	27	2
34466.67	26685.71	7401.77	4886.59	0	0.18	246	355	7
40900.00	29635.71	16356.67	7760.90	0	0.17	112	74	5
30533.33	25471.43	7650.37	3033.77	0	0.35	226	361	4
454.00	446.00	427.73	424.76	0	0.97	119	65	2
118766.70	83314.29	31966.77	10941.22	0	0.13	352	49	3
746.33	708.71	633.27	548.53	0	0.9	279	176	2
686.00	677.86	660.93	646.82	0	0.75	338	273	2
2520.00	2235.71	1000.67	754.37	0	0.91	141	176	3
688.33	662.00	647.53	643.50	0	0.96	272	185	2
655.00	650.00	633.17	627.99	0	0.98	247	73	2
1023.33	1018.57	781.23	676.93	0	0.83	216	188	2
23300.00	17785.71	4639.90	1963.24	0	0.64	144	85	3
678.00	656.29	638.70	631.53	0	0.97	283	38	2
69700.00	58614.29	19541.10	10044.03	0	0.21	277	72	5
27266.67	19914.29	7023.23	3271.99	0	0.4	154	53	5
114266.70	90414.29	30972.67	13696.03	0	0.15	53	2	5
10200.00	10171.43	4165.40	2531.64	0	0.52	238	37	3
8050.00	5836.86	2164.57	1138.19	0	0.76	166	50	3
666.00	665.57	645.43	632.97	0	0.97	112	289	2
744.00	743.43	713.70	673.21	0	0.96	140	212	2

Lo pulse	Le	Hi pulse	#	Hi pulse Le	Rise rate	Fall rate	Reversals
74	1	123		3163.57	-1083.76	49	
18.25	8	11.5		3076.61	-1223.31	44	
10.4	4	36		6245.39	-2595.05	75	
82	6	23.17		2591.62	-895.21	66	
15	3	52		3018.95	-2088.96	91	
14	8	22.13		6901.19	-2549.38	57	
28	10	9.6		1247.61	-707.48	45	
10.56	2	88		3835.8	-1870.83	73	
22.8	9	13.22		1481.84	-710.86	90	
15.86	4	37		2925.76	-1501.9	87	
30.2	3	13.67		618.02	-392.36	103	
21.33	4	17.25		526.39	-359.2	103	
5.21	3	56.67		2384.11	-1394.03	126	
3	4	34.5		1640.9	-954.32	100	
1	7	21.57		1553.6	-920.32	112	
0	3	32.33		1128.61	-852.91	141	
11.58	3	16		640.93	-431.4	146	
2.43	5	14.2		801.74	-699.17	132	
6.57	6	4		450.61	-395.52	138	
11.8	10	18.7		1846.59	-1108.73	121	
8.82	7	16.14		883.33	-656	140	
9.91	9	5.89		576.83	-397.68	147	
38.88	1	3		360.95	-273.96	166	
8.53	5	9.4		777.14	-523.46	131	
6.08	5	8.4		867.94	-555.37	149	
5.8	6	21.5		1806.12	-1015.16	132	
5	7	7.57		1390.15	-904.34	132	
7.89	2	2		275.48	-228.7	158	
4	6	13.17		1213.57	-792.91	126	
12.23	2	1.5		269.61	-212.76	162	
15.25	7	10.14		705.71	-454.38	129	
14.44	2	3		261.11	-220.74	134	
36.8	6	2.33		534.16	-325.25	139	
7.25	4	19.5		911.95	-621.71	125	
5.58	5	21.6		1304.29	-927.19	126	
38	5	15.6		617.84	-516.26	134	
1.14	5	35.4		2936.44	-1666.67	109	
10.07	1	2		253.01	-202.21	155	
5.67	6	19.33		2445.94	-1574.29	122	
2	4	43		1586.4	-1055.53	141	
2.83	6	28		2029.48	-1209.87	136	
7.6	4	32.25		1552.31	-858.77	113	
3	6	7.17		425.24	-309.49	140	
1	8	8.88		933.12	-526.36	125	
5.2	8	10.75		772.44	-474.27	137	
8.5	9	2.89		740.69	-460.63	136	
9.36	5	16.6		897.17	-557.76	143	
6.2	5	10		381.42	-288.36	149	
10.6	6	16.83		752.94	-535.96	156	

2.31	10	17.2	1741.09	-1045.53	133
1	5	37	1599.55	-982.36	141
0	5	27	1520.69	-971.12	125
3.5	5	19	1205.74	-696.16	135
10.86	5	4.2	360.56	-235.77	117
5	3	59	2556.11	-1833.63	108
1.71	6	7.67	901.05	-534.33	132
0	4	39.75	1968.12	-1036.3	126
9	5	5.4	592.6	-340.01	123
17.33	3	15.67	1313.3	-796.56	122
11.4	5	3.6	515.3	-289.92	120
4.78	4	16.75	763.56	-542.26	145
2.43	6	19.17	3101.49	-1549.43	119
4.88	4	1.5	466.87	-306.85	143
3	6	24	2350.92	-1441.19	114
39	6	6.33	458.97	-249.03	96
0.67	6	26.67	1585.38	-1034.87	132
82.5	0	0	112.18	-113.19	107
35.17	4	3.25	707.11	-730.02	117
85.33	1	18	639.25	-565.4	131
69.33	1	3	50.64	-49.71	161
78	0	0	22.04	-22.4	187
126.5	1	4	189.7	-178.24	177
70.75	3	7.67	521.56	-465.61	172
107	0	0	9.42	-9.13	151
0.5	0	0	4.01	-3.53	166
107	0	0	4.58	-4.28	144
107	0	0	7.72	-7.76	177
107	0	0	4.19	-5.03	181
81.67	2	7.5	679.06	-608.05	170
107	0	0	3.3	-3.16	171
39.86	5	5	1081.6	-948.78	153
46.8	4	8.5	643.36	-725.49	170
74	3	3.67	349.31	-317.4	158
107	0	0	6.13	-5.3	160
67.67	2	11	1190.18	-893.65	153
107	0	0	18.25	-16.58	172
0.5	0	0	9.61	-8.39	186
69.67	0	0	16.48	-17.53	188
107	0	0	6.25	-7.23	176
107	0	0	5.77	-6.25	201
0.5	0	0	8.5	-8.82	183
69	1	6	163.84	-155.46	172
107	0	0	7.03	-6	185
36.2	3	10.33	745.81	-764.04	167
43.6	4	4.25	381.1	-426.04	165
49.6	4	8.25	1075.77	-1041.7	161
73.67	2	7.5	120.96	-143.08	156
72	1	4	64.71	-64.23	177
107	0	0	6.34	-6.09	175
107	0	0	5.15	-5.43	175

```
&INITIAL
InFile='N:\RAID3\Pla\dcalder\IHA\FeatherRiver_Separately11407000_11425000
_Report2\11407000_dischargeConvertedtoIHA.dat'
BeginPre=1902
EndPre=1966
BeginPost=1967
EndPost=2001
Parametric=.FALSE.
LoRVALim=25
HiRVALim=25
Nmissing=100
OutSum='N:\RAID3\Pla\dcalder\IHA\FeatherRiver_Separately11407000_11425000
_Report2\11407000_OutSum_NonPar.txt'
OutScore='N:\RAID3\Pla\dcalder\IHA\FeatherRiver_Separately11407000_11425000
_Report2\11407000_OutScore_NonPar.txt'
OutPct='N:\RAID3\Pla\dcalder\IHA\FeatherRiver_Separately11407000_11425000
_Report2\11407000_OutPct_NonPar.txt'
OutRVA='N:\RAID3\Pla\dcalder\IHA\FeatherRiver_Separately11407000_11425000
_Report2\11407000_OutRVA_NonPar.txt'
OutBAW='N:\RAID3\Pla\dcalder\IHA\FeatherRiver_Separately11407000_11425000
_Report2\11407000_OutBAW_NonPar.txt'
OutMsg='N:\RAID3\Pla\dcalder\IHA\FeatherRiver_Separately11407000_11425000
_Report2\11407000_OutMsg_NonPar.txt'
ImpactYear=1967
BigTitle='11407000'
Watershed=3624
/
```

IHA Percentile Data

11407000

Pre-impact period (1902-1966)

Post-impact period (1967-2001)

	10%	25%	50%	75%	90%	(75-25)/50	10%	25%	50%	75%	90%	(75-25)/50
Parameter Group #1												
October	1254.13	1563.55	1831.29	2295.16	2900.97	0.40	403.17	409.68	456.48	630.45	1103.79	0.48
November	1387.57	1745.67	2384.33	3382.33	4759.53	0.69	402.54	411.93	620.07	845.40	1881.65	0.70
December	1561.78	2173.71	3362.58	6045.32	12325.48	1.15	400.06	411.10	623.61	836.90	6584.29	0.68
January	1864.13	2410.48	4482.26	9240.97	14820.90	1.52	403.43	413.94	624.39	1154.35	11826.70	1.19
February	2668.58	3751.07	8528.57	14094.29	18949.05	1.21	406.05	416.64	624.21	3015.14	6647.79	4.16
March	3748.52	5258.87	7284.84	12649.68	20070.32	1.01	406.41	414.42	627.55	930.29	10214.24	0.82
April	4559.73	7600.00	11139.00	15866.67	20190.93	0.74	403.63	411.33	614.73	631.90	4195.12	0.36
May	4064.19	5590.32	8270.97	13095.48	19730.96	0.91	401.43	407.94	423.10	625.90	1136.72	0.52
June	2046.53	2747.33	4082.00	6779.67	10064.00	0.99	406.86	410.00	416.27	625.30	643.95	0.52
July	1573.61	1918.23	2242.26	2943.39	3476.45	0.46	406.15	410.58	423.94	625.81	666.67	0.51
August	1381.10	1659.03	1912.90	2222.26	2691.74	0.29	401.10	406.65	416.45	623.10	639.26	0.52
September	1172.00	1413.50	1726.67	2098.67	2451.33	0.40	399.43	404.70	421.87	626.93	641.69	0.53
Parameter Group #2												
1-day minimum	780.00	967.50	1200.00	1370.00	1654.00	0.34	350.00	370.00	391.00	602.00	609.60	0.59
3-day minimum	814.53	1069.17	1256.67	1496.67	1726.00	0.34	360.53	376.67	397.33	605.67	611.20	0.58
7-day minimum	931.31	1125.00	1357.71	1555.00	1930.00	0.32	375.77	387.57	401.86	608.14	612.14	0.55
30-day minimum	1017.60	1199.00	1506.33	1744.33	2090.73	0.36	391.62	396.93	408.80	613.50	618.39	0.53
90-day minimum	1086.62	1369.96	1680.89	1976.11	2435.91	0.36	399.72	401.83	415.39	619.16	625.07	0.52
1-day maximum	13200.00	19000.00	45800.00	77850.00	127400.00	1.28	451.40	746.00	4970.00	37400.00	66859.98	7.38
3-day maximum	11224.67	16700.00	37666.67	57300.00	97479.98	1.08	442.80	686.00	4170.00	34466.67	63699.98	8.10
7-day maximum	9087.43	12262.86	28600.00	41514.29	64931.42	1.02	446.94	665.57	3770.00	26685.71	51945.69	6.90
30-day maximum	5590.20	9601.83	15216.67	23133.33	30100.66	0.89	426.03	645.43	1375.03	8520.13	21337.62	5.73
90-day maximum	5437.22	8012.06	11039.11	16390.11	22088.13	0.76	433.80	631.53	1138.19	4886.59	10402.91	3.74
Number of zero days	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Base flow	0.14	0.19	0.26	0.36	0.43	0.63	0.16	0.21	0.75	0.96	0.97	1.00
Parameter Group #3												
Date of minimum	249.80	269.00	277.00	306.00	345.00	0.10	52.60	109.00	154.00	263.00	295.20	0.42
Date of maximum	358.00	24.50	48.00	88.00	107.40	0.17	334.20	17.00	53.00	118.00	189.20	0.28
Parameter Group #4												
Low pulse count	1.00	4.50	7.00	12.00	16.00	1.07	2.00	2.00	3.00	4.00	5.00	0.67
Low pulse duration	1.09	3.25	7.89	14.22	32.84	1.39	0.60	46.80	74.00	107.00	107.00	0.81
High pulse count	2.00	4.00	5.00	6.00	8.40	0.40	0.00	0.00	0.00	3.00	4.00	0.00
High pulse duration	2.96	7.62	16.14	25.50	41.05	1.11	0.00	0.00	0.00	7.50	10.60	0.00
Parameter Group #5												
Rise rate	373.23	605.22	1128.61	1907.36	3042.01	1.15	4.42	6.34	50.64	639.25	1078.10	12.50
Fall rate	-1611.24	-1050.53	-699.17	-396.60	-263.99	-0.94	-915.70	-565.40	-49.71	-6.25	-4.73	-11.25
Number of reversals	74.20	110.50	126.00	140.00	149.00	0.23	131.60	156.00	170.00	177.00	186.40	0.12

IHA Annual Summary Statistics

11425000

Year	October	November	December	January	February	March	April	May	June
1944	1935.81	2339	2549.35	3155.48	8578.28	11942.26	10043	10294.19	3021.7
1945	1354.06	4676.67	7107.1	5270.32	24709.64	11099.35	12214	11971.61	4418.67
1946	1735.81	4185.33	23978.06	19247.42	8702.5	11252.58	14050	11058.06	2889
1947	1425.48	2968.47	4719.35	2382.9	8153.93	12632.58	9635	2016.9	1249.1
1948	2205.35	2648	2332.9	8425.48	4298.28	6336.45	22276.67	17741.94	9918.67
1949	2161.29	2348.67	2895.48	2915.48	4551.79	13981.61	13607	8675.81	1647.97
1950	641.29	1395.83	1384.13	8537.03	18208.93	13880.65	18446.67	13598.71	5477
1951	2638.71	24016	36874.2	20691.61	22089.29	14161.29	12261.33	10913.87	2121.73
1952	2547.1	4281.33	16482.26	23567.74	28406.9	20812.9	42636.67	36522.58	18203.33
1953	2778.06	2952	6047.74	36743.23	9478.93	10576.77	15451	15861.29	12619
1954	2975.16	4123.33	4178.71	7085.48	14712.14	19525.48	21210	9450.65	2594.67
1955	2483.23	3870	5546.77	5382.58	3646.43	4685.16	5580.33	9061.94	2475.27
1956	1230.61	2194.33	38570.64	38529.03	23181.72	19248.39	17713.33	21064.52	10486
1957	2966.13	3873	2811.61	3711.29	13744.64	18285.16	8627.67	13703.87	4931.67
1958	3415.16	3515.83	7042.58	8869.03	39535.71	23532.26	34410	26580.64	14075.33
1959	2047.74	2764.67	2962.58	8493.23	13647.86	9558.39	6531	3264.84	658.2
1960	1454.52	1452.67	1556.45	3266.77	17045.52	16528.39	9635.33	5244.52	2583.33
1961	926.03	2644.43	4586.13	2805.81	9223.21	8130	6588.33	4521.29	1678.3
1962	638.32	1211.97	3511.61	2950	22415	11414.84	15526.67	8957.42	4385
1963	22967.42	5521.33	12550.97	5830.32	35275.71	10420.32	32616.67	20106.45	4823
1964	1922.9	5998	4617.74	7195.48	4776.9	3960.65	6042.67	5423.87	2514.67
1965	2623.23	3500.67	46247.1	34716.13	14828.57	9512.9	22003.33	12549.35	6559
1966	3337.1	5332	4891.61	7561.61	6375.71	8622.9	10681.33	4800.32	522.77
1967	792.23	4436.87	13809.03	21714.84	19307.86	21229.36	17056.67	24248.39	17666.67
1968	2643.55	2173	1703.55	2364.19	10164.83	6528.39	3536	3855.48	1763.77
1969	1460.97	1937.33	3033.87	31354.52	32746.43	14145.81	21103.33	15325.81	3828.33
1970	3476.77	3751.33	11731.29	64915.48	21942.86	15427.1	3357.33	4000.97	2545
1971	5585.81	6365.33	14900	14531.61	6503.57	16148.39	13055.67	9044.84	10798
1972	5128.39	6019	8313.87	5952.9	7059.31	4226.77	2472.67	2520.97	3673.33
1973	6023.23	5858.33	6555.48	25660	19839.29	15299.68	6063	4130.32	3259.33
1974	5293.23	20653	19790.32	35693.55	15539.29	29574.19	34566.67	9905.48	7615.67
1975	7496.77	8062	9414.19	5865.16	8343.57	8450.97	7228.67	9143.55	7727
1976	5766.13	7667.33	9417.74	3683.23	3088.97	2390.97	3168.33	1465.16	1764.67
1977	2710.97	2350.67	2057.42	1646.45	1506.07	1165.97	2164.03	968.9	1249.4
1978	1120.48	1246.67	1992.9	8699.35	7491.07	17891.94	12996.67	7312.26	3022.33
1979	3650	3591.67	3733.55	5909.03	9913.93	8635.81	3358	4064.84	3916.33
1980	3766.45	3582	5262.9	34901.61	31432.07	17917.74	6392.33	4129.68	7027.67
1981	3270.97	2233.67	3260.97	4119.68	3640.36	6802.26	3436	3357.42	2012.33
1982	2325.16	12950.33	33651.61	25348.39	31632.14	24587.1	45313.33	16000	8348
1983	6062.58	8936.33	20565.16	19458.39	34514.29	58554.84	24943.33	22035.48	18986.67

July	August	September	1-day min	3-day min	7-day min	30-day min	90-day min	1-day max
541.35	215.97	541.03	147	153	158.43	184.83	415.22	29100
665	449.23	893.5	296	315.33	365.86	418.27	638.4	79500
626.19	488.61	902.27	358	361.33	371.86	476.37	654.86	90000
272.9	400.74	686.03	158	177.33	196.71	270.4	370.89	33100
1196.94	263	776.23	233	235.67	237.57	259.6	673.17	40200
226.35	150.03	461.87	129	132.33	135.57	148.83	261.61	25000
655.32	302.94	1157.43	200	211	247	276.9	680.43	72400
471.65	320.52	1487.8	214	225.67	240.14	263	646.59	129000
5354.84	1419.35	1904.67	1220	1226.67	1242.86	1319	1961.11	79500
2587.58	1075.87	2001.67	917	928.67	951	1032.57	1668.86	110000
974.68	962.03	1465	753	753	758.57	825.47	1080.98	78000
426.26	371.45	728.87	322	328	339.29	369.93	459.9	14700
2208.39	1464.52	2386	828	850	970	1227.63	1895.89	313000
877.84	660.26	1847.77	514	520.33	575.14	659.57	1046.6	80200
2496.77	1340.97	2288	1050	1073.33	1102.86	1325.67	1846.56	100000
462.71	246.65	1002.73	186	190.67	194	241.57	375.94	45000
782.48	760.61	1050.87	550	556.33	594.43	743.9	851.02	120000
616.65	675.58	564.13	250	276.67	326.57	557.13	604.54	19000
810.55	885.61	1320.53	466	472	569	634.13	992.74	70600
1523.1	507.74	1323.43	420	426.67	456.71	506.53	1018.99	240000
819.16	612.65	1479.6	400	400	421.43	513.07	886.93	32700
2055.81	1710.97	2382.67	1260	1270	1292.86	1529.67	2007.89	261000
544.48	489.77	887.83	104	112	158.14	387	486.12	22200
4282.26	1637.42	2323.67	560	569.67	601	776.9	2144.78	93200
330.87	476.52	988.57	230	230	235.71	272.53	576.1	33000
2698.06	6341.29	6808.67	1020	1030	1042.86	1447	2117	82800
2462.58	5549.68	6588.33	1920	1966.67	2001.43	2226.67	2951.11	138000
7419.03	8983.55	9725	3690	3716.67	3738.57	5167	6201.78	43800
3959.68	5521.94	5948	1790	1896.67	2058.57	2419.67	2831.44	13800
4110.32	5219.03	5078	2630	2650	2828.57	3222.33	3818.11	72000
8700.97	10262.9	8692.67	4290	4726.67	4928.57	5282.33	7743	105000
6319.03	6976.45	6569.67	3200	3423.33	3590	4754	6202.89	26200
2769.03	1672.58	2735	1100	1123.33	1217.14	1348.33	1976.22	12400
1797.74	1541.94	1243	589	650.67	694.14	832.27	1113.94	3330
5519.03	5857.1	5531	748	861.67	972.14	1117.17	1405.06	33500
5530	5921.29	4460.33	2130	2250	2505.71	2938	3606.44	27200
5930.32	5873.55	5026	3020	3113.33	3405.71	3402	2953.44	111000
5500	2775.48	2589.67	1460	1506.67	1555.71	1940	2258	17500
6671.61	8187.74	8901.33	1770	1776.67	1781.43	1907.67	7186.89	148000
10597.1	8511.61	8718	3620	3810	4127.14	4816.33	9165.67	112000

3-day max	7-day max	30-day max	90-day max	Zero days	Base flow	Date min	Date max	Lo pulse #
23833.33	19000	12220.67	11028	0	0.03	236	65	1
66866.66	49942.86	23602	15794.11	0	0.05	249	34	4
82766.66	68785.71	35770	18540.22	0	0.04	221	365	3
28133.33	19501.43	14016.67	10257.56	0	0.05	204	45	8
37666.67	33557.14	24890	17465.89	0	0.04	234	110	3
21700	17171.43	14356	12233.78	0	0.03	222	72	1
61400	41685.71	20342.33	21235.55	0	0.04	250	38	7
108133.3	76271.43	51076.67	31452.67	0	0.02	222	326	3
66900	50871.43	44783.33	34311.11	0	0.07	232	34	1
91066.66	72442.86	38323.33	19584.33	0	0.1	213	11	2
62600	40157.14	23013.33	19326.55	0	0.1	211	71	3
14200	13328.57	9291	13128.21	0	0.09	230	131	1
192000	122557.1	59726.67	36773	0	0.07	278	358	8
71400	48714.29	26566.33	16077.67	0	0.09	238	57	2
76666.66	54571.43	39233.33	32142.22	0	0.08	230	58	1
44333.33	31714.29	15126.67	11043.56	0	0.05	225	50	2
78933.34	49557.14	18442	14409.78	0	0.12	233	40	8
17600	14214.29	10294.33	7920.33	0	0.09	251	43	2
55066.67	52557.14	24928.33	16986.33	0	0.09	277	42	5
160000	95700	34320	25816.11	0	0.04	228	288	4
25933.33	16885.71	8307	16188.33	0	0.11	212	22	7
229333.3	164657.1	70780	33437.78	0	0.1	211	358	1
17400	14685.71	11513.33	8639	0	0.04	182	6	1
88533.34	65642.86	33673.33	23538.11	0	0.05	302	31	2
29300	22957.14	11365.67	6765	0	0.08	206	53	2
79400	75314.29	48126.67	28839.11	0	0.09	277	22	2
133000	128285.7	71743.34	36612.55	0	0.16	154	22	0
39933.33	33814.29	20070	13801.78	0	0.36	62	86	0
12600	10737.14	8371.67	7155.44	0	0.41	113	41	0
69666.66	52542.86	29086.67	20304.45	0	0.32	137	17	0
97500	86157.14	42363.33	32587.78	0	0.29	182	92	0
21133.33	14600	11993.67	9069.44	0	0.47	180	45	0
12300	12271.43	10882.33	7672	0	0.32	169	341	6
3193.33	3114.29	2713	2388.89	0	0.41	152	275	8
27200	25871.43	18286.67	13560.67	0	0.15	275	17	2
25666.67	21971.43	12858	8146.67	0	0.48	125	55	0
110333.3	98300	38270	28299.33	0	0.31	129	16	0
15533.33	10842.86	7140	14875.78	0	0.43	173	28	0
103900	86557.14	47186.67	34358.89	0	0.1	293	355	0
102400	87257.14	59930	40648.89	0	0.21	291	73	0

Lo pulse	Le	Hi pulse	#	Hi pulse	Le	Rise rate	Fall rate	Reversals
103	9	6.56		787.42	-510.97		102	
21.75	5	18.8		1207.25	-855.27		118	
33.33	9	13.44		1245.17	-730.5		86	
19.13	5	9.4		873.38	-481.8		99	
26.67	3	29		868.91	-657.51		106	
109	5	12.2		513.57	-412.12		122	
14.71	5	23.8		1196.69	-809.86		112	
26.67	6	29.83		3201.81	-1895.01		104	
30	3	66.33		2506.78	-1854.2		109	
26.5	5	27.2		1717.59	-1311.15		102	
26.67	4	23.25		1557.15	-1011.34		122	
103	6	2.5		570.3	-345.67		110	
3.63	2	90.5		3831.45	-2572.16		80	
36	6	9.33		1246.71	-631.25		100	
18	3	53		2639.33	-1487.3		115	
55	8	5.13		678.22	-447.92		112	
16	3	16.33		1372.46	-950.96		116	
53.5	4	7.5		585.58	-308.43		88	
16	4	19.5		1063.45	-863.03		125	
16.75	6	19.17		6395.47	-2934.15		81	
12	3	2.67		666.64	-486.5		105	
12	3	45.67		3464.44	-2111.21		106	
124	5	7		559.25	-384.67		81	
3	4	42.25		2455.45	-1505.28		100	
52.5	2	7		452.57	-336.66		115	
2	4	33.5		1565.1	-1230.63		96	
0	3	27.33		1770.64	-1240.82		89	
0	9	19.67		821.97	-631.36		101	
0	3	4		301.74	-299.24		111	
0	3	24		1380.66	-874.62		96	
0	5	46.4		2220.71	-1483.35		103	
0	8	8.25		674.53	-589.31		102	
6.5	1	23		177.74	-142.65		113	
14.13	0	0		78.99	-72.69		102	
10.5	4	21		865.82	-683.81		113	
0	4	5.5		533.09	-437.82		106	
0	3	22.33		1555.62	-1108.82		114	
0	4	2.5		500.68	-337.17		98	
0	3	66.33		4384.55	-2682.09		91	
0	5	48.2		2873.73	-2030.97		121	

```
&INITIAL
InFile='N:\RAID3\Pla\dcalder\IHA\FeatherRiver_Separately11407000_11425000_Report2\11425000
dischargeConvertedtoIHA.dat'
BeginPre=1944
EndPre=1966
BeginPost=1967
EndPost=1983
Parametric=.FALSE.
LoRVALim=25
HiRVALim=25
Nmissing=100
OutSum='N:\RAID3\Pla\dcalder\IHA\FeatherRiver_Separately11407000_11425000_Report2\11425000_OutSum_NonPar.txt'
OutScore='N:\RAID3\Pla\dcalder\IHA\FeatherRiver_Separately11407000_11425000_Report2\11425000_OutScore_NonPar.txt'
OutPct='N:\RAID3\Pla\dcalder\IHA\FeatherRiver_Separately11407000_11425000_Report2\11425000_OutPct_NonPar.txt'
OutRVA='N:\RAID3\Pla\dcalder\IHA\FeatherRiver_Separately11407000_11425000_Report2\11425000_OutRVA_NonPar.txt'
OutBAW='N:\RAID3\Pla\dcalder\IHA\FeatherRiver_Separately11407000_11425000_Report2\11425000_OutBAW_NonPar.txt'
OutMsg='N:\RAID3\Pla\dcalder\IHA\FeatherRiver_Separately11407000_11425000_Report2\11425000_OutMsg_NonPar.txt'
ImpactYear=1967
BigTitle='11425000'
Watershed=5921
/
```

IHA Percentile Data 11425000													
	Pre-impact period: 1944-1966						Post-impact period: 1967-1983						
	10%	25%	50%	75%	90%	(75-25)/50	10%	25%	50%	75%	90%	(75-25)/50	
Parameter Group #1													
October	755.19	1425.48	2161.29	2778.06	3383.94	0.63	1054.83	2484.35	3650.00	5675.97	6349.42	0.87	
November	1418.57	2348.67	3500.67	4281.33	5807.33	0.55	1799.20	2292.17	4436.87	7864.67	14490.86	1.26	
December	1867.03	2895.48	4719.35	12550.97	37892.06	2.05	1935.03	3147.42	8313.87	14354.52	23182.44	1.35	
January	2849.68	3266.77	7195.48	19247.42	35932.38	2.22	2220.65	4992.42	14531.61	28507.26	41537.90	1.62	
February	4399.68	8153.93	13744.64	22415.00	32528.18	1.04	2772.39	6781.44	10164.83	26687.46	33100.00	1.96	
March	5345.68	9512.90	11414.84	16528.39	20297.93	0.61	2145.97	6665.32	15299.68	19573.55	35370.29	0.84	
April	6238.00	9635.00	13607.00	21210.00	33692.66	0.85	2410.94	3357.67	6392.33	19080.00	36715.99	2.46	
May	3767.42	5423.87	10913.87	15861.29	24374.18	0.96	1365.91	3606.45	4130.32	12615.64	22478.06	2.18	
June	894.56	2121.73	3021.70	6559.00	13492.80	1.47	1660.89	2278.67	3828.33	8037.50	17930.66	1.50	
July	334.25	541.35	782.48	1523.10	2551.26	1.25	1504.37	2733.55	5500.00	6495.32	9080.19	0.68	
August	228.24	320.52	507.74	962.03	1446.45	1.26	1328.85	2224.03	5857.10	7582.10	9239.42	0.91	
September	550.27	776.23	1157.43	1847.77	2344.80	0.93	1192.11	2662.33	5531.00	7750.67	9066.07	0.92	
Parameter Group #2													
1-day minimum	136.20	200.00	358.00	753.00	1152.00	1.54	494.00	884.00	1790.00	3110.00	3810.00	1.24	
3-day minimum	140.60	211.00	361.33	753.00	1165.33	1.50	501.73	945.83	1896.67	3268.33	3993.33	1.22	
7-day minimum	158.26	237.57	371.86	758.57	1186.86	1.40	527.94	1007.50	2001.43	3497.86	4287.43	1.24	
30-day minimum	207.53	270.40	506.53	825.47	1323.00	1.10	676.03	1232.75	2226.67	4078.00	5190.07	1.28	
90-day minimum	372.91	486.12	680.43	1080.98	1935.02	0.87	1006.38	2046.61	2951.11	6202.33	8027.53	1.41	
1-day maximum	20280.00	32700.00	78000.00	110000.00	252600.00	0.99	10586.00	21850.00	43800.00	108000.00	140000.00	1.97	
3-day maximum	17480.00	25933.33	62600.00	82766.66	179200.00	0.91	10478.67	18333.33	39933.33	99950.00	114866.60	2.04	
7-day maximum	14402.86	19000.00	48714.29	68785.71	111814.20	1.02	9212.57	13435.71	33814.29	86357.14	104297.10	2.16	
30-day maximum	9692.33	14016.67	23602.00	38323.33	56266.66	1.03	6254.60	11124.00	20070.00	44775.00	62292.65	1.68	
90-day maximum	9286.42	12233.78	16986.33	25816.11	33961.77	0.80	5889.78	7909.33	14875.78	30713.45	37419.82	1.53	
Number of zero days	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Base flow	0.03	0.04	0.07	0.09	0.11	0.89	0.07	0.12	0.31	0.41	0.47	0.91	
Parameter Group #3													
Date of minimum	206.80	213.00	230.00	238.00	266.60	0.07	102.80	133.00	173.00	276.00	294.80	0.39	
Date of maximum	338.80	6.00	40.00	58.00	94.80	0.14	352.20	17.00	31.00	64.00	128.60	0.13	
Parameter Group #4													
Low pulse count	1.00	1.00	3.00	5.00	8.00	1.33	0.00	0.00	0.00	2.00	6.40	0.00	
Low pulse duration	12.00	16.00	26.67	53.50	106.60	1.41	0.00	0.00	0.00	4.75	21.80	0.00	
High pulse count	3.00	3.00	5.00	6.00	8.60	0.60	0.80	3.00	4.00	4.50	8.20	0.38	
High pulse duration	3.65	7.50	18.80	29.00	61.00	1.14	2.00	6.25	22.33	37.88	51.83	1.42	
Parameter Group #5													
Rise rate	563.67	678.22	1207.25	2506.78	3684.65	1.51	157.99	476.63	865.82	1995.68	3175.89	1.75	
Fall rate	-2387.78	-1487.30	-809.86	-481.80	-361.27	-1.24	-2161.20	-1362.09	-683.81	-336.91	-128.66	-1.50	
Number of reversals	81.00	99.00	106.00	115.00	122.00	0.15	90.60	97.00	102.00	113.00	116.20	0.16	

IHA Annual Summary Statistics
Combined 11407000 and 11406920

Year	October	November	December	January	February	March	April	May	June
1902	2000	3000	4000	2069.03	16790.36	9969.68	16718.67	10739.68	5649.67
1903	1423.23	3533	5888.39	7390	5241.79	11872.58	18863.33	9422.58	4272.33
1904	1769.03	19713	4175.48	3428.71	28026.55	39761.29	24686.67	18558.06	7878.67
1905	4291.94	2754.33	6226.45	10374.52	10197.5	14250.97	10137.33	7632.58	4220.33
1906	1282.58	1319.33	1386.13	14514.19	11098.57	21589.68	19190	17529.03	13814.33
1907	1680	2208.33	7014.19	7127.1	21537.5	36892.26	29460	23380.64	15198.33
1908	1854.52	1780	4508.71	7245.16	6382.41	7245.16	9206.33	8173.23	5313
1909	1645.81	1754.33	1910	39861.93	18382.14	13432.26	15856.67	14016.13	9096.67
1910	1962.26	5747.33	8139.35	6748.39	7969.64	17948.39	12650	6848.39	2621
1911	1273.87	1864	3401.61	8958.71	10240.36	15781.29	30096.67	22122.58	15649.67
1912	1328.71	1562.67	1427.74	3419.68	2730.69	3999.03	4187.33	8270.97	4300.67
1913	1010.97	2811.67	1742.26	3351.94	2661.79	3657.74	10053.33	9958.06	4065.67
1914	1025.81	1737	5741.61	23388.71	14660.71	16625.81	18253.33	14158.06	7062.33
1915	2064.52	2379.67	3034.52	4482.26	14310	10137.74	13176.67	21490.32	8395.67
1916	2047.1	2403.33	4077.74	9725.81	16010.34	19561.29	18420	12246.77	5893
1917	2605.16	2655.33	4586.13	3056.45	9721.43	6637.42	15876.67	13490.32	7139.67
1918	2165.48	2154.33	2330.65	1794.84	3348.93	7818.06	9783.67	4622.58	1863.67
1919	2265.81	2534.33	2511.94	2560	8528.57	6446.77	13846.67	9446.45	2764.67
1920	2007.74	1805.83	2358.39	1732.58	1803.1	4146.13	7161.33	5976.13	2306.33
1921	1580.65	8553.67	8193.55	12911.29	9975	14120	11621.33	13041.94	6651.67
1922	1613.87	1631	3098.39	3002.9	7032.14	7284.84	13897	23903.23	11094.67
1923	1649.68	2384.33	6230.97	5044.52	3627.14	4932.26	9475.33	6273.87	3051
1924	1710.32	1621.67	1507.74	1637.1	4474.14	1564.19	2145.67	1246.13	924.33
1925	1511.29	2113.33	2214.19	2405.48	12403.93	5087.42	7706	5580	2730
1926	1687.1	1938	2147.74	2382.9	10123.93	5567.42	12766.67	4174.52	1934.33
1927	1717.74	6800	4307.42	5276.13	21250	10925.16	13846.67	9729.03	4634
1928	1813.87	3781.67	2545.48	3195.81	5761.38	20833.87	10200.67	5031.94	2121.33
1929	1535.48	1676.67	1869.03	1973.55	3497.86	4587.42	4364.33	5078.06	2509.67
1930	2131.94	1719.33	12702.9	4658.06	6405.71	8806.45	8870	5600.65	2599
1931	2340.97	2470.67	2215.48	3019.03	2531.07	3508.06	2167.67	1683.87	1265.33
1932	1224.52	1400.17	3816.13	3299.03	2953.45	7627.1	8491.67	8785.16	4032.67
1933	744.68	853.27	1342.58	1939.03	1713.93	3396.77	4571.33	4980.32	3443.33
1934	1562.9	1612.67	2653.23	3781.61	4670.71	4763.23	3476.33	2257.1	1618.33
1935	1404.52	2076.67	2010.32	3951.29	3628.21	4904.84	21472.33	13149.03	5794.33
1936	1718.39	1544	2230.32	9600.65	15200	9557.42	10162.33	7167.74	4210.33
1937	1736.77	1353.1	1285.52	1376.45	3873.93	7098.71	10469.33	10267.42	4082
1938	2038.39	5212.33	17597.1	5241.61	14932.14	21661.29	24443.33	25151.61	11511
1939	2096.77	2376	3014.84	2415.48	2514.29	4339.03	4542.33	2080.65	1465.33
1940	1410.48	1168.63	1721.94	9473.23	18911.04	23161.94	16159	6830.32	2995
1941	2377.74	2474.67	9780.97	11484.84	19006.07	14786.13	13613.33	15645.16	6226.33
1942	1892.9	2349	12073.87	14015.48	19432.86	7991.29	16632.33	13851.61	8750
1943	2316.77	3471.67	6202.26	15280.97	10286.07	18588.39	13960	7177.74	4739
1944	1747.1	2026.33	2001.61	2187.74	4045.52	6466.77	7521	8226.45	3182
1945	1592.58	3175.33	4387.42	3356.77	12822.5	5637.42	7679	8288.71	3909.33
1946	2188.06	3482	13576.13	9293.87	4806.43	6450	9399.67	7187.74	3062.33
1947	1587.74	2743.33	2609.03	1350	5363.93	7140	5745.33	2885.48	2414
1948	1966.58	1903	1750.1	5750.97	2716.55	3809.03	13748	11141.61	6907.67
1949	2273.55	1992.33	1884.52	1910.32	2748.57	6845.16	9434.67	6526.13	2502
1950	1048.9	1140.5	1101.68	4763.87	9636.79	8456.77	12294	9532.58	4138

1951	3061.61	11944.33	17293.55	10890.65	13878.57	8314.19	8197.33	7365.81	3018.33
1952	2383.55	3293	10078.39	9188.06	15817.24	11849.03	29053.33	23451.61	11079
1953	2570.32	2577.33	4670.97	19235.48	5918.21	6564.84	11139	11258.71	8695.33
1954	2702.58	3595	3176.13	4370.97	8122.14	11348.06	14761.33	7425.16	3961.33
1955	2781.29	3551.33	4083.23	2347.42	1998.93	3291.29	4585	6923.87	3014
1956	1564.19	2026.33	28405.48	20029.03	12432.41	12409.68	13120	14287.1	7155.67
1957	3150.97	3230.33	2199.68	2620.97	10456.43	9760	5880.33	8573.87	3887.67
1958	3280	3683	5704.84	6197.1	23892.86	12889.68	19336.67	17190.32	9387.33
1959	2336.45	2833.67	2828.71	6000.32	7496.07	6518.39	5909.33	3898.71	2298.33
1960	1831.29	1665.67	1597.81	2252.65	10325.17	10614.84	6923	4449.35	3269.67
1961	1467.1	2469	3362.58	2121.94	5656.79	4650	5008.33	4701.61	2892.33
1962	1100.13	1368.67	2552.9	1741.61	10821.43	6079.35	11428.33	7272.26	4655.67
1963	12374.19	3959.33	7867.1	5585.16	17317.86	5430.32	18720	12065.81	4413.67
1964	1878.71	4457.67	3523.55	3751.94	2673.1	2972.58	5132.67	4742.58	2872
1965	2793.87	3065.33	28335.81	18123.55	8935	6971.61	14071.67	9517.1	5355
1966	3366.77	4453	3602.9	4517.1	3272.5	5481.29	8802.33	4937.1	2322
1967	1069.77	3620.67	7710	11980.65	9625	12631.94	9498.33	16744.52	11334
1968	2749.68	1579.2	880.03	805.35	962.95	794.39	967.37	2434	1336.23
1969	915.74	917.87	808.87	12837.26	12926.57	7259.71	14270.73	8618	1755.67
1970	2958.45	3164.33	8762.65	37732.61	11131.54	8377.1	2230.87	1581.26	1766.8
1971	2980.42	2898.6	6327.16	7988.97	1928.36	11195.32	10151.93	6622.55	6519.23
1972	2987.52	3987.57	5082.16	2985	4425.62	2350.29	1496.4	1857.42	3463.67
1973	3027.03	2115.7	2650.65	12590.55	9282.96	7583.58	2580.47	3485.29	2779.77
1974	2886.74	13292.47	9909.81	21966.42	8026.75	15382.74	20560.53	5934.58	3817.8
1975	6471.35	6574.07	5636.26	3268.71	1765.46	1685.71	2229.4	7573.9	4416.07
1976	2894.39	4905.5	6631.29	2397.55	2533.72	1767.68	2986.7	1320.29	1810.83
1977	2047.74	1670.57	1494.42	1192.97	1190.93	964.23	2477.23	947.65	1377.53
1978	905.84	891.87	896.32	907.55	1187.71	9769.19	5524.43	3693.26	2458.67
1979	2418.39	2295.23	2708.87	2600.97	4406.32	4519.61	1616.63	2232.48	3118.93
1980	1822.52	1804.33	2539.81	21973.1	15564.62	9144.58	1534.43	1326.84	4531.33
1981	1738.06	1685.7	1694.06	1694.81	2166.46	3159.35	2517.03	3079.19	1856.3
1982	1501.1	8209.2	19627.77	12375.65	15490.11	12032.16	22337.1	8178.32	4947.33
1983	3837.52	4299.67	10379.65	11615.45	19556.39	32454.42	15824.2	12760.52	10134.57
1984	3581.94	9438.63	22068.74	12232.42	6028.45	6239.23	2377.83	2866.94	3675.63
1985	1851.13	2325.87	4626.74	2315.23	2982.36	2047.42	2478.6	4455.29	4819.87
1986	2161.68	1991.1	1715.68	1725.9	34576.57	22823.74	2984.67	1250.58	1912.53
1987	3356.48	2415.4	2263.23	1730.39	1741.5	1745.94	2407.6	1830.16	2505.5
1988	1680.32	1273.77	1277.74	1217.97	1215.86	2826.29	3661.23	1453.52	2904.5
1989	1983.23	1436.03	1312.68	1237.74	3013	1597.52	1244.4	2289.26	2816.5
1990	2882.52	2466.3	5773.48	3041.68	1854.79	2647.29	6589.37	2096.29	964.07
1991	1157.35	1037.53	3856.52	1679.03	985.18	874.94	874.87	1437.32	2617.3
1992	1534.61	1043.53	1996.29	1053.03	1026.34	857.39	825.2	2092.87	1696.37
1993	1485.58	1013.53	1174.32	1015.19	1012.32	12549.71	7304.43	5332.06	5560.07
1994	2141.61	2393.07	5779.45	1822.16	1735.54	1720.45	2139.2	1823.45	2042.07
1995	2594.77	1646.9	1254.42	4743.81	11369.93	31830.1	14396.53	19290.52	10275.47
1996	3372.81	2383.37	5234.1	5489.03	20294.1	9220.45	9653.5	8719.87	4259.57
1997	2248.77	2399.03	17632	41450.74	15676.21	3394.77	1271.87	1868.94	3840.6
1998	3078.45	2336.17	1826.26	6418.03	17817.96	13148.9	8857.47	8336.55	9089.1
1999	3295.29	2048.07	10440.94	6961.81	16261.75	9133.84	4067.1	2829.84	2515.03
2000	2976.03	2327.13	3088.58	2840.84	6927.43	10007.06	4712.4	3539.39	4970.7
2001	2569.32	2333.33	2325.29	1868.06	1645.39	1706.71	1260.47	1803.71	2219.97

July	August	September	1-day min	3-day min	7-day min	30-day min	90-day min	1-day max
2188.39	1462.9	1198	1170	1170	1170	1170	1329.33	38100
2283.23	1805.16	1591	1170	1170	1170	1423	1705.89	93000
3051.29	2005.48	2262.33	1540	1560	1580	1756.67	2265.22	106000
1810.65	1351.29	1272	1200	1200	1217.14	1247	1275	68400
4708.71	2200	1726.67	1200	1200	1212.86	1256	1324.78	96300
5998.71	2646.13	1900.67	1650	1650	1680	1680	1842.89	187000
2315.16	1509.68	1250	1250	1250	1250	1250	1413.78	16300
3268.71	1797.1	1817.67	1250	1250	1250	1433.33	1774.67	137000
1599.68	1349.03	1171	1010	1033.33	1082.86	1163.33	1258.78	31000
3865.16	1649.68	1311	940	1060	1074.29	1266.33	1367.56	75400
1176.45	969.03	1184.83	820	820	820	939.17	1046.83	16400
1646.13	1167.1	1011	845	845	905	1006	1059.33	14200
2383.55	1832.9	1843.33	980	986.67	1002.86	1025.33	1842.22	88000
3126.45	2152.26	2086.67	1710	1740	1818.57	2035	2081.56	65900
3044.19	2339.68	2272	1560	1900	1998.57	2043	2402.89	41600
2763.23	2357.1	2236.33	1970	2110	2150	2162.33	2144.33	71600
1555.81	1636.77	1620.67	1180	1313.33	1425.71	1539	1595.11	26400
1993.23	1904.52	1819	1540	1716.67	1751.43	1800	1874.39	44500
1804.52	1547.74	1267	905	1078.33	1167.14	1228	1429.11	19700
2814.52	1859.35	1654.33	950	1093.33	1265.71	1559.67	1605.56	49600
2693.23	1732.9	1561	1160	1256.67	1388.57	1491	1624	32900
1886.45	1706.77	1587.33	1010	1240	1488.57	1527.67	1617.56	19600
851.94	956.13	992	720	773.33	821.43	845.33	902.22	31200
1773.55	1673.23	1712.67	1030	1083.33	1185.71	1499.33	1690.44	48400
1842.58	1815.16	1861	1280	1383.33	1485.71	1614.33	1767.33	43800
2107.74	1859.35	1788.67	1360	1473.33	1535.71	1590	1794.56	80300
1976.45	1667.1	1417.67	1210	1286.67	1337.14	1388	1523.44	122000
1923.55	2182.9	2135	1270	1350	1431.43	1531.67	1680.89	11600
1887.1	1892.9	2185.33	1200	1270	1321.43	1538.33	1957.89	73400
1225.16	1180.32	1125	950	990	1025.71	1031.33	1129.56	8440
1988.39	1650.97	1055.87	685	653.67	651.86	744.7	861.77	17400
1585.48	1400.97	1172.67	577	594	656.43	714.73	977.37	7840
1534.84	1445.16	1352	1180	1210	1278.57	1322.33	1395.33	14100
2066.77	2085.48	1648.33	1120	1240	1275.71	1399.33	1624.33	51300
2242.26	2157.1	2110.67	1130	1406.67	1438.57	1542	1461.71	54200
2138.39	1575.48	1560	705	770	1010.29	1145.53	1326.27	18400
3333.87	2370.65	2304.33	1640	1706.67	1775.71	2016.33	2243.11	145000
1460.32	1601.61	1484.33	1340	1360	1372.86	1412.83	1340.33	7200
1912.9	1812.9	2179	615	806.33	1030.57	1159.63	1426.38	131000
2753.87	2045.16	1877.33	1210	1623.33	1801.43	1819.33	1932.89	70400
3169.35	2209.03	2287	1660	1713.33	1764.29	1890.67	2237	88400
2235.81	1975.81	1650.33	1500	1520	1530	1566.67	1763.67	64500
2237.42	2083.23	1651.33	1390	1390	1482.86	1514.33	1751.44	18100
2297.42	2084.52	2040	1120	1420	1491.43	1524.33	1994.33	45800
2376.45	2286.77	1913.67	1250	1356.67	1534.29	1570.67	1729.67	45800
2208.39	2152.26	1692.67	1010	1183.33	1227.14	1331.33	1832.27	29200
2442.26	1839.68	1767.67	984	1178	1357.71	1638	1871.3	31100
2099.68	1944.19	1169.13	858	914	948.86	993.37	1071.51	12900
2082.9	1811.94	1905.33	614	788.33	837.29	1039.6	1096.7	39100

2235.48	1944.19	1883.67	1510	1700	1781.43	1832.67	1995.67	67100
4431.29	2858.39	2625.33	1380	1890	2018.57	2356	2590.11	47600
3526.77	2743.87	2693	1910	2336.67	2454.29	2531.33	2682.33	97100
2921.29	2730.32	2701	1310	1373.33	1491.43	2211	2713.11	45200
2018.71	1828.71	1546	1290	1306.67	1437.14	1506.33	1604.22	10600
3220.65	2886.77	2832	1260	1303.33	1447.14	1562.67	2875.56	172000
2225.16	1972.58	2379.33	1530	1620	1884.29	1949	2167.78	59000
3706.13	2689.03	2559.33	2090	2096.67	2201.43	2306	2485.44	71400
2439.35	1912.9	1428.27	968	1009.33	1052.57	1427.27	1643.76	25900
2600.65	2271.29	1621.67	872	1120.67	1408.86	1451.33	1654.22	95800
2586.77	2491.61	1302.3	967	977.33	991.86	1074.77	1225.7	14000
2965.48	2695.81	2001	964	1023.33	1052.86	1096	1666.27	33100
3127.1	1993.87	2016	1670	1596.67	1574.29	1899.33	1940	125000
2629.68	2349.35	1859.67	1280	1293.33	1297.14	1732	2252.44	16200
3442.9	3098.71	2858	1060	1383.33	2018.57	2606.33	3031.44	156000
2715.81	2235.48	1409.33	1240	1250	1198.57	1079.43	1372.37	13400
4782.9	3264.84	2882.67	704	836.33	895.86	1054.77	1764.61	48300
409.45	525.32	809.63	392	395.33	402	408.33	573	4970
2633.13	6094.84	6253.7	788	794	796.57	807.2	881.67	50800
1834.48	3944.74	4276.47	1453	1461	1476.14	1557.3	1698.94	71800
4579.97	6384.42	7064.8	1830	1873.33	1884.29	1892.03	3949.7	24460
3099.1	3655.52	3273.4	996	998	1008	1411.63	1838.64	11814
3185.39	3957.35	3280.4	1027	1028.33	1054.14	2091.43	2589.67	46200
6401.29	7452.9	7495.57	2400	2423.33	2566.86	2885.7	5339.32	54700
4470.19	4857.19	3985.7	975	979	983.43	1241.97	1695.43	10232
2940.74	1415.35	2331.83	1050	1052.33	1054.43	1217.07	1765.46	9083
2008.61	1570.87	1172.6	725	728	730.86	810.6	867.22	3390
4384.45	3715.68	2997.13	851	876.67	883	890	897.24	16415
4327.94	4016.74	2299.03	1115	1118.33	1151.71	1465.37	1960.43	15511
3568.68	3160.58	1766.63	1194	1202.33	1207	1241.57	1703.47	81400
5337.81	2492.71	2235.7	1196	1198.33	1208.57	1511.1	1678.54	7551
4097.77	5602.35	6034.93	1178	1182.67	1190.43	1206.3	4577.54	58200
7094.16	5958.29	6138.2	2356	2371.33	2383	2414.9	4540.93	59900
6175.23	4012.13	3592.47	1691	1697.67	1699.86	1883.2	2577.21	47700
3897.71	2990.32	1871.27	1669	1677.67	1685.57	1739	1969.08	5586
4695.29	3530.45	4589.93	1184	1186.33	1190.14	1204.93	1797.99	150300
3700.19	2542.42	1711.87	1226	1236.33	1256.29	1610.03	1428.2	5068
4217.55	2590.03	2388.13	1121	1179.67	1194.71	1213.6	1235.47	5319
6430.35	4702.61	2806.5	989	1064.33	1075	1139.7	1321.6	8008
2599.84	3545.97	1097.9	888	894	899.71	924.13	1097.56	7565
1883.39	1106.71	1534.67	834	837.67	841.14	855.6	910.39	5027
2303.65	2439.19	2509.4	807	814	817.86	822.97	899.42	3061
6775.13	6832.52	2089.87	996	997.67	998.86	1007.83	1011.34	40100
3528.1	2562.45	2876.57	1185	1190	1194.71	1302.53	1704.2	8344
4263.81	4856.32	6708.73	1215	1229	1235.14	1248.27	1642.21	87100
6676.87	5098.32	2379.57	1523	1592.67	1796	2031.63	2310.27	44300
7432.29	4507.61	2229.37	1171	1178.67	1186	1192.87	1752.07	137100
5787.26	5792.45	6107.3	1626	1627.33	1664.86	1789.43	2092.5	25300
8858.06	5075.42	3202.7	1808	1810.33	1817.43	1869.3	2707.59	25180
7739.71	6075.68	3529.6	1614	1616.67	1619	1979.47	2418.52	17145
1928.74	2005.77	1213.3	1058	1059.67	1062.14	1171.53	1487.2	3533

3-day max	7-day max	30-day max	90-day max	Zero days	Base flow	Date min	Date max	Lo pulse #
35766.67	29185.71	18996.67	14881.22	0	0.19	256	97	1
66333.34	44614.29	23500	13609.44	0	0.19	275	90	4
88333.34	66414.29	47070	33126.67	0	0.12	262	55	5
38433.33	21677.14	15216.67	12404.67	0	0.2	261	365	1
69166.66	46657.14	26416.67	20312.22	0	0.13	316	18	2
150333.3	100971.4	44983.33	31032.22	0	0.13	245	79	4
14900	11985.71	9709.67	8372.67	0	0.26	241	21	3
128666.7	89471.43	41186.67	24187.78	0	0.12	275	16	9
28100	24600	18543.33	13351.22	0	0.17	244	344	5
51700	44471.43	30466.67	24124.45	0	0.11	299	31	7
11166.67	9351.43	8324	5810.44	0	0.28	232	26	5
13000	11714.29	10458.33	8352	0	0.25	288	130	6
74466.66	46085.71	26128.33	19201.67	0	0.11	279	366	14
57066.67	41514.29	22410	15708.33	0	0.25	289	132	2
37233.33	30371.43	21290	18575.55	0	0.25	305	80	1
48566.67	29314.29	17191.33	13368.44	0	0.36	260	56	0
22333.33	17500	12032	7508.56	0	0.42	203	86	12
31333.33	20085.71	14050	10712.22	0	0.37	275	42	23
16766.67	12200	7873	5932	0	0.41	332	107	23
33333.33	21242.86	14278.67	13001.78	0	0.16	277	324	5
31500	28600	24763.33	16879.67	0	0.21	283	141	11
16700	13671.43	9494	6950.89	0	0.37	260	97	11
20733.33	11587.14	4577	2765.67	0	0.51	182	39	8
41833.33	27971.43	12027.67	8372.56	0	0.31	279	37	15
37666.67	29671.43	12830.67	9512.11	0	0.37	10	99	25
59666.67	43214.29	21411.33	15294	0	0.22	262	52	15
107000	69028.57	25568	12461.44	0	0.27	274	86	19
8426.67	6284.29	5490	5604.33	0	0.52	282	35	9
57266.67	41400	13650.33	8891	0	0.27	343	350	16
7270	5820	3714.67	3036.22	0	0.5	271	79	13
15333.33	12254.29	9752.33	8550.56	0	0.17	268	80	8
7680	7170	5269.33	4672.78	0	0.29	277	151	9
11893.33	9517.14	5159.33	4417.22	0	0.5	253	89	5
39400	29900	21890	13781.56	0	0.24	334	99	12
46000	30885.71	18001.67	12175.89	0	0.26	308	53	12
16700	13971.43	11545.67	9522	0	0.26	348	106	5
95400	53957.14	29626.67	24300	0	0.16	275	346	7
6883.33	6627.14	5657	3825.89	0	0.56	271	87	14
100600	63942.86	26826.67	19569.78	0	0.14	310	90	9
52666.67	35271.43	22766.67	16371.11	0	0.21	301	42	18
59900	42528.57	25941	16409.11	0	0.2	286	37	6
60333.33	41342.86	19723.33	16975	0	0.21	270	23	5
12600	12000	8938.33	7470.33	0	0.41	361	64	16
34466.67	26128.57	12271.33	8606.22	0	0.32	290	33	5
41466.67	33471.43	18139	9772.22	0	0.28	284	364	5
21933.33	13507.14	7881.67	6296.78	0	0.39	322	43	12
25333.33	21114.29	15294.33	10954.11	0	0.29	279	108	11
12366.67	12271.43	9925.67	7672.11	0	0.28	270	71	15
30200	20928.57	12383.33	10775.56	0	0.17	339	37	10

50400	34957.14	22724.67	15820.67	0	0.24	274	326	13
37966.67	33657.14	29856.67	22196.33	0	0.19	295	33	4
57333.33	41514.29	20141.67	11039.11	0	0.36	307	9	0
38966.67	24742.86	15058.67	12114	0	0.27	15	70	2
10210	9817.14	7052.67	10444.78	0	0.45	270	130	7
137600	90542.86	39190	22016	0	0.14	276	358	3
52666.67	34157.14	16261	10090	0	0.4	5	55	7
51233.33	34457.14	23556.67	18945.33	0	0.24	270	56	0
21666.67	16381.43	8731.33	7027.11	0	0.28	258	48	5
51700	29427.14	11646.67	9290.89	0	0.34	362	39	6
11263.33	8691.43	6094	5186.56	0	0.31	274	31	5
26366.67	23642.86	12548.33	9968.56	0	0.23	275	41	9
90533.34	52900	19596.67	14439.33	0	0.2	281	32	7
11823.33	7417.14	5132.67	11087.56	0	0.4	260	21	8
145333.3	99357.14	39366.67	19314.78	0	0.23	313	358	1
13033.33	11052.86	8943.67	6506.78	0	0.31	274	101	1
46066.67	31514.29	17836.67	14043.67	0	0.11	300	30	3
4170	3770	2802	1758.83	0	0.34	228	277	10
40700	35460	21062.73	13933.61	0	0.13	354	22	3
70666.66	65514.29	39325.6	21105.24	0	0.2	150	26	4
24443.33	21767.29	14541.83	10136.97	0	0.3	64	88	8
9259.33	6734.43	5134.7	4292.88	0	0.31	94	40	4
43466.67	31583.86	14278.03	9880.52	0	0.22	101	17	2
53600	46942.86	24114.63	18357.48	0	0.25	182	94	0
10221.67	10138.71	8796.53	6283.9	0	0.22	104	134	1
9068.33	9055.29	7987.17	4899.53	0	0.37	232	333	5
3383.33	3368.86	2592.37	1750.54	0	0.48	270	120	6
16413.67	16412.43	10481.9	6464.98	0	0.28	315	69	3
14912.33	11976.71	6769.33	3921.1	0	0.38	103	55	5
77100	64857.14	22977.13	15706.64	0	0.21	120	15	4
7539.33	7393.14	5688.7	9080.7	0	0.49	270	203	7
51400	43657.14	22477.77	17085.52	0	0.12	315	355	2
57733.33	46607.14	33413.33	23385.22	0	0.2	315	74	0
47566.67	42528.57	23366.87	15096.91	0	0.25	115	361	1
5568.33	5546.57	5106.67	4395.83	0	0.55	266	150	5
136300	100557.1	49186.77	19715.86	0	0.17	131	49	3
5063	5034.86	3730.13	2944.2	0	0.54	258	283	4
5121.33	5019.71	4833.5	3433.57	0	0.54	121	174	3
7998.33	7604.29	6885.13	4822.14	0	0.42	12	216	3
7544.67	7449.57	7001.63	4047.24	0	0.3	156	363	6
4982.67	4939.14	3943.2	2230.83	0	0.53	65	346	4
3056.33	3016.29	2738.67	2567.26	0	0.51	118	355	4
40100	34514.29	17331.13	9636.48	0	0.23	29	85	2
8004.67	7190.57	5885	3483.41	0	0.47	157	344	4
85700	74442.86	34100.8	22762.4	0	0.13	323	72	1
41366.67	34014.29	20377.5	13410.36	0	0.26	136	53	2
127100	105128.6	45445.77	25610.62	0	0.14	118	2	4
25300	25271.43	17926.8	13741.03	0	0.23	3	37	1
25150	22908.29	17835.47	11265.66	0	0.29	324	50	3
17141.33	16156.57	13682	7789.14	0	0.33	36	70	3
3527.67	3290.14	2577.23	2412.04	0	0.56	108	155	3

Lo pulse	Le	Hi pulse	#	Hi pulse	Le	Rise rate	Fall rate	Reversals
----------	----	----------	---	----------	----	-----------	-----------	-----------

74	1	123		3163.57	-1083.76		49	
18.25	8	11.5		3076.61	-1223.31		44	
10.4	4	36		6245.39	-2595.05		75	
82	6	23.17		2591.62	-895.21		66	
15	3	52		3018.95	-2088.96		91	
14	8	22.13		6901.19	-2549.38		57	
28	10	9.6		1247.61	-707.48		45	
10.56	2	88		3835.8	-1870.83		73	
22.8	9	13.22		1481.84	-710.86		90	
15.86	4	37		2925.76	-1501.9		87	
30.2	3	13.67		618.02	-392.36		103	
21.33	4	17.25		526.39	-359.2		103	
5.21	3	56.67		2384.11	-1394.03		126	
3	4	34.5		1640.9	-954.32		100	
1	7	21.57		1553.6	-920.32		112	
0	3	32.33		1128.61	-852.91		141	
11.58	3	16		640.93	-431.4		146	
2.43	5	14.2		801.74	-699.17		132	
6.57	6	4		450.61	-395.52		138	
11.8	10	18.7		1846.59	-1108.73		121	
8.82	7	16.14		883.33	-656		140	
9.91	9	5.89		576.83	-397.68		147	
38.88	1	3		360.95	-273.96		166	
8.53	5	9.4		777.14	-523.46		131	
6.08	5	8.4		867.94	-555.37		149	
5.8	6	21.5		1806.12	-1015.16		132	
5	7	7.57		1390.15	-904.34		132	
7.89	2	2		275.48	-228.7		158	
4	6	13.17		1213.57	-792.91		126	
12.23	2	1.5		269.61	-212.76		162	
15.25	7	10.14		705.71	-454.38		129	
14.44	2	3		261.11	-220.74		134	
36.8	6	2.33		534.16	-325.25		139	
7.25	4	19.5		911.95	-621.71		125	
5.58	5	21.6		1304.29	-927.19		126	
38	5	15.6		617.84	-516.26		134	
1.14	5	35.4		2936.44	-1666.67		109	
10.07	1	2		253.01	-202.21		155	
5.67	6	19.33		2445.94	-1574.29		122	
2	4	43		1586.4	-1055.53		141	
2.83	6	28		2029.48	-1209.87		136	
7.6	4	32.25		1552.31	-858.77		113	
3	6	7.17		425.24	-309.49		140	
1	8	8.88		933.12	-526.36		125	
5.2	8	10.75		772.44	-474.27		137	
8.5	9	2.89		740.69	-460.63		136	
9.36	5	16.6		897.17	-557.76		143	
6.2	5	10		381.42	-288.36		149	
10.6	6	16.83		752.94	-535.96		156	

2.31	10	17.2	1741.09	-1045.53	133
1	5	37	1599.55	-982.36	141
0	5	27	1520.69	-971.12	125
3.5	5	19	1205.74	-696.16	135
10.86	5	4.2	360.56	-235.77	117
5	3	59	2556.11	-1833.63	108
1.71	6	7.67	901.05	-534.33	132
0	4	39.75	1968.12	-1036.3	126
9	5	5.4	592.6	-340.01	123
17.33	3	15.67	1313.3	-796.56	122
11.4	5	3.6	515.3	-289.92	120
4.78	4	16.75	763.56	-542.26	145
2.43	6	19.17	3101.49	-1549.43	119
4.88	4	1.5	466.87	-306.85	143
3	6	24	2350.92	-1441.19	114
39	6	6.33	458.97	-249.03	96
0.67	6	26.67	1585.38	-1034.87	132
29.8	0	0	192.77	-166.81	116
11.33	3	35.67	870.64	-707.15	125
24	2	40.5	789.69	-795.13	141
2.5	9	15.78	376.02	-337.14	136
13.75	2	3	206.12	-192.57	138
8	4	13	494.41	-484.29	131
0	5	50	859.75	-696.09	154
77	4	14	170.26	-162.1	160
24.4	1	29	119.2	-111.71	133
47	0	0	57.5	-60.61	152
4	2	12	145.23	-134.57	154
12.2	2	5.5	202.08	-181.23	158
34.75	2	26.5	1001.9	-702.48	160
8	2	5	149.64	-116.06	149
20	5	33.6	1554.37	-1158.08	145
0	7	30.14	1033.94	-967.32	154
14	6	17.83	606.54	-507.82	146
17	0	0	109.12	-88.96	138
54.33	1	49	1260.41	-979.81	151
36.25	0	0	58.2	-63.51	157
68	0	0	88.3	-80.18	159
60.33	2	8	154.31	-125.03	158
26	2	14	152.05	-153.8	157
52.5	0	0	70.61	-66.2	163
56.25	0	0	49.77	-45.81	162
86	4	18.75	411.57	-322.84	138
38.75	2	5	106.24	-103.2	161
63	4	41.75	1242.26	-945.55	125
8	8	16.13	718.52	-630.17	146
16.5	3	40.33	1293.51	-1008.08	137
47	7	22.29	448.77	-422.82	145
16	3	38.33	458.99	-375.27	139
11	3	27	233.91	-233.01	149
54	0	0	24.65	-33.77	189

```
&INITIAL
InFile='N:\RAID3\Pla\dcalder\IHA\FeatherRiver_Combined11407000_11406920_Report1\Added11407000_11406920
ForIHAformat_1.doc'
BeginPre=1902
EndPre=1966
BeginPost=1967
EndPost=2001
Parametric=.FALSE.
LoRVALim=25
HiRVALim=25
Nmissing=100
OutSum='N:\RAID3\Pla\dcalder\IHA\FeatherRiver_Combined11407000_11406920_Report1\Added11407000_11406920
OutSum_NonPar.txt'
OutScore='N:\RAID3\Pla\dcalder\IHA\FeatherRiver_Combined11407000_11406920_Report1\Added11407000_11406920
OutScore_NonPar.txt'
OutPct='N:\RAID3\Pla\dcalder\IHA\FeatherRiver_Combined11407000_11406920_Report1\Added11407000_11406920
OutPct_NonPar.txt'
OutRVA='N:\RAID3\Pla\dcalder\IHA\FeatherRiver_Combined11407000_11406920_Report1\Added11407000_11406920
OutRVA_NonPar.txt'
OutBAW='N:\RAID3\Pla\dcalder\IHA\FeatherRiver_Combined11407000_11406920_Report1\Added11407000_11406920
OutBAW_NonPar.txt'
OutMsg='N:\RAID3\Pla\dcalder\IHA\FeatherRiver_Combined11407000_11406920_Report1\Added11407000_11406920
OutMsg_NonPar.txt'
ImpactYear=1967
BigTitle='Combined 11407000 and 11406920'
Watershed=3624
/
```

IHA Percentile Data
Combined 11407000 and 11406920

Pre-impact period: 1902-1966

Post-impact period : 1967-2001

	10%	25%	50%	75%	90%	(75-25)/50		10%	25%	50%	75%	90%	(75-25)/50
Parameter Group #1													
October	1254.13	1563.55	1831.29	2295.16	2900.97	0.40		1122.32	1738.06	2569.32	2987.52	3456.46	0.49
November	1387.57	1745.67	2384.33	3382.33	4759.53	0.69		1027.93	1646.90	2327.13	3164.33	7228.12	0.65
December	1561.78	2173.71	3362.58	6045.32	12325.48	1.15		1063.12	1694.06	3088.58	6631.29	13317.34	1.60
January	1864.13	2410.48	4482.26	9240.97	14820.90	1.52		1037.90	1694.81	2985.00	11980.65	21969.09	3.45
February	2668.58	3751.07	8528.57	14094.29	18949.05	1.21		1020.74	1735.54	4406.32	12926.57	18513.33	2.54
March	3748.52	5258.87	7284.84	12649.68	20070.32	1.01		928.51	1745.94	6239.23	11195.32	18359.13	1.51
April	4559.73	7600.00	11139.00	15866.67	20190.93	0.74		1133.59	1616.63	2580.47	8857.47	14967.60	2.81
May	4064.19	5590.32	8270.97	13095.48	19730.96	0.91		1324.22	1823.45	2829.84	6622.55	10336.12	1.70
June	2046.53	2747.33	4082.00	6779.67	10064.00	0.99		1568.83	1912.53	2904.50	4819.87	9507.28	1.00
July	1573.61	1918.23	2242.26	2943.39	3476.45	0.46		1910.60	2940.74	4263.81	6175.23	7229.41	0.76
August	1381.10	1659.03	1912.90	2222.26	2691.74	0.29		1508.66	2562.45	3944.74	5098.32	6210.67	0.64
September	1172.00	1413.50	1726.67	2098.67	2451.33	0.40		1197.02	2089.87	2876.57	4276.47	6435.71	0.76
Parameter Group #2													
1-day minimum	780.00	967.50	1200.00	1370.00	1654.00	0.34		762.80	975.00	1171.00	1523.00	1816.80	0.47
3-day minimum	814.53	1069.17	1256.67	1496.67	1726.00	0.34		806.00	979.00	1179.67	1592.67	1835.53	0.52
7-day minimum	931.31	1125.00	1357.71	1555.00	1930.00	0.32		809.34	983.43	1190.14	1619.00	1844.17	0.53
30-day minimum	1017.60	1199.00	1506.33	1744.33	2090.73	0.36		818.02	1054.77	1241.97	1789.43	2055.55	0.59
90-day minimum	1086.62	1369.96	1680.89	1976.11	2435.91	0.36		891.01	1235.47	1704.20	2310.27	4186.19	0.63
1-day maximum	13200.00	19000.00	45800.00	77850.00	127400.00	1.28		4395.20	7551.00	17145.00	50800.00	83679.98	2.52
3-day maximum	11224.67	16700.00	37666.67	57300.00	97479.98	1.08		3913.07	7539.33	17141.33	47566.67	80539.98	2.34
7-day maximum	9087.43	12262.86	28600.00	41514.29	64931.42	1.02		3609.54	6734.43	16412.43	42528.57	69085.70	2.18
30-day maximum	5590.20	9601.83	15216.67	23133.33	30100.66	0.89		2776.67	5134.70	13682.00	22477.77	36190.71	1.27
90-day maximum	5437.22	8012.06	11039.11	16390.11	22088.13	0.76		2339.56	3921.10	9080.70	15096.91	21768.10	1.23
Number of zero days	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00
Base flow	0.14	0.19	0.26	0.36	0.43	0.63		0.13	0.21	0.29	0.47	0.54	0.87
Parameter Group #3													
Date of minimum	249.80	269.00	277.00	306.00	345.00	0.10		33.20	103.00	136.00	270.00	318.20	0.46
Date of maximum	358.00	24.50	48.00	88.00	107.40	0.17		339.60	363.00	49.00	88.00	162.60	0.25
Parameter Group #4													
Low pulse count	1.00	4.50	7.00	12.00	16.00	1.07		1.00	2.00	3.00	4.00	6.40	0.67
Low pulse duration	1.09	3.25	7.89	14.22	32.84	1.39		1.77	11.00	24.00	52.50	65.00	1.73
High pulse count	2.00	4.00	5.00	6.00	8.40	0.40		0.00	1.00	2.00	4.00	7.00	1.50
High pulse duration	2.96	7.62	16.14	25.50	41.05	1.11		0.00	3.00	15.78	30.14	41.00	1.72
Parameter Group #5													
Rise rate	373.23	605.22	1128.61	1907.36	3042.01	1.15		57.92	119.20	233.91	859.75	1273.65	3.17
Fall rate	-1611.24	-1050.53	-699.17	-396.60	-263.99	-0.94		-991.12	-702.48	-233.01	-111.71	-62.35	-2.54
Number of reversals	74.20	110.50	126.00	140.00	149.00	0.23		128.60	138.00	149.00	158.00	161.40	0.13

**Table 4A – Alteration in Magnitude of Mean Monthly Flows
from Pre-Oroville to Post-Oroville Dam**

Hydrologic Parameters	Oroville Gage 11407000
Mean October flow	Large – Flows shifted into 0%-25% percentile range of pre-Oroville baseline
Mean November flow	Large – Flows shifted into 0%-25% percentile range of pre-Oroville baseline
Mean December flow	Large – Flows shifted into 0%-25% percentile range of pre-Oroville baseline
Mean January flow	Large – Flows shifted into 0%-25% percentile range of pre-Oroville baseline
Mean February flow	Large – Flows shifted into 0%-25% percentile range of pre-Oroville baseline
Mean March flow	Large – Flows shifted into 0%-25% percentile range of pre-Oroville baseline
Mean April flow	Large – Flows shifted into 0%-25% percentile range of pre-Oroville baseline
Mean May flow	Large – Flows shifted into 0%-25% percentile range of pre-Oroville baseline
Mean June flow	Large – Flows shifted into 0%-25% percentile range of pre-Oroville baseline
Mean July flow	Large – Flows shifted into 0%-25% percentile range of pre-Oroville baseline
Mean August flow	Large – Flows shifted into 0%-25% percentile range of pre-Oroville baseline
Mean September flow	Large – Flows shifted into 0%-25% percentile range of pre-Oroville baseline

Table 4B – Alteration in Magnitude and Duration of Annual Extreme Discharges from Pre-Oroville to Post-Oroville Dam

Hydrologic Parameters	Oroville Gage 11407000
Annual 1-day mean minimum flow	Large – Flows shifted into 0%-25% percentile range of pre-Oroville baseline
Annual 3-day mean minimum flow	Large – Flows shifted into 0%-25% percentile range of pre-Oroville baseline
Annual 7-day mean minimum flow	Large – Flows shifted into 0%-25% percentile range of pre-Oroville baseline
Annual 30-day mean minimum flow	Large – Flows shifted into 0%-25% percentile range of pre-Oroville baseline
Annual 90-day mean minimum flow	Large – Flows shifted into 0%-25% percentile range of pre-Oroville baseline
Annual 1-day mean maximum flow	Moderate – Flows shifted into 0%-25% percentile range of pre-Oroville baseline
Annual 3-day mean maximum flow	Moderate – Flows shifted into 0%-25% percentile range of pre-Oroville baseline
Annual 7-day mean maximum flow	Moderate – Flows shifted into 0%-25% percentile range of pre-Oroville baseline
Annual 30-day mean maximum flow	Large – Flows shifted into 0%-25% percentile range of pre-Oroville baseline
Annual 90-day mean maximum flow	Large – Flows shifted into 0%-25% percentile range of pre-Oroville baseline
Number of zero days	No change
Base flow (7-day minimum over mean annual flow)	Moderate – Flows shifted into 75% -100% percentile range of pre-Oroville baseline

**Table 4C – Alteration in Timing of Minimums, Maximums
from Pre-Oroville to Post-Oroville Dam**

Hydrologic Parameters	Oroville Gage 11407000
Julian date of each annual 1-day minimum	Moderate – Dates shifted into 0%-25% percentile range of pre-Oroville baseline
Julian date of each annual 1-day maximum	Small – Dates shifted slightly to above median of pre-Oroville baseline

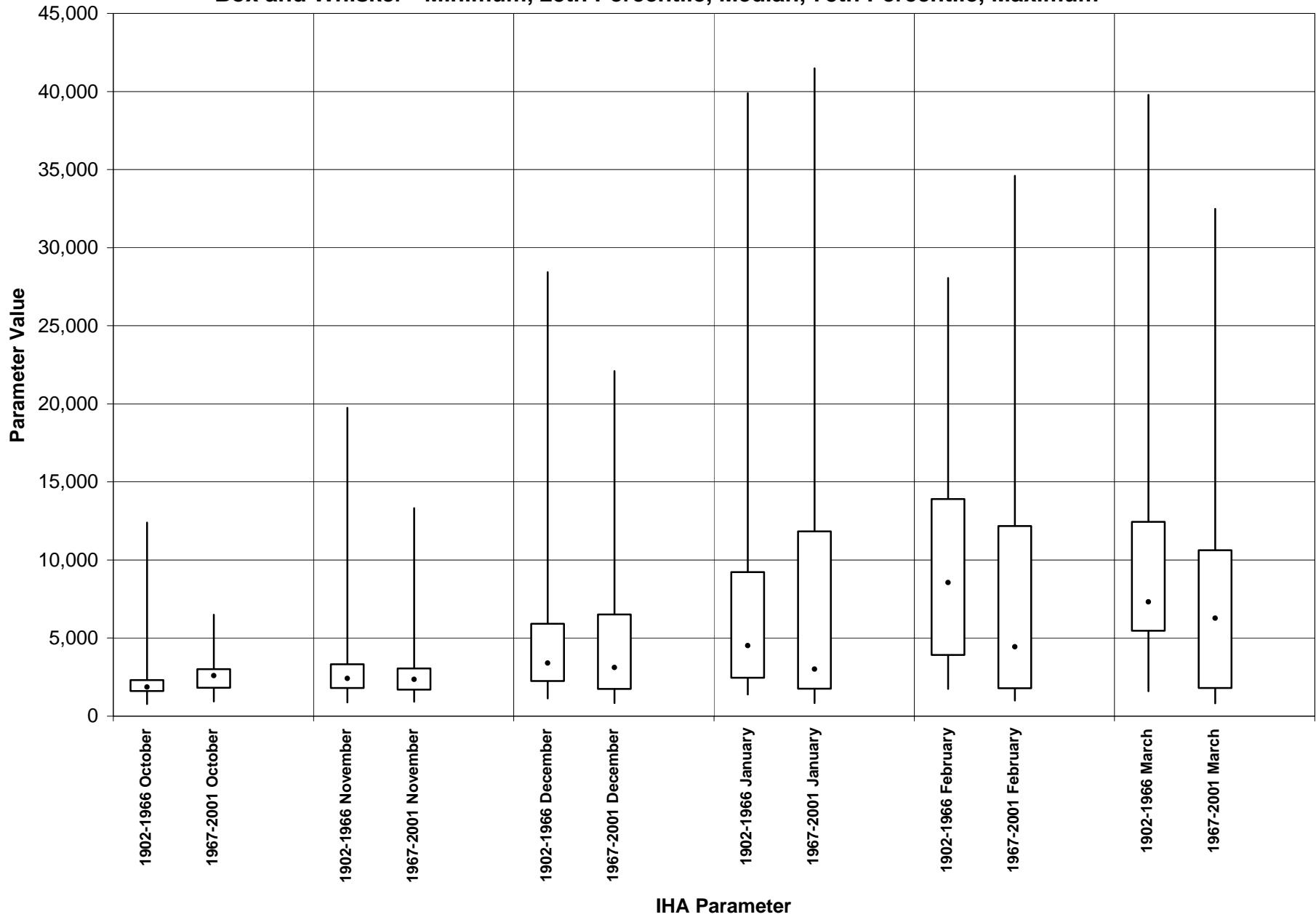
**Table 4D – Alteration in Frequency and Duration of High and Low Pulses
from Pre-Oroville to Post-Oroville Dam**

Hydrologic Parameters	Oroville Gage 11407000
Number of low pulses (below 25 th percentile) each year	Large – Pulses shifted into 0%-25% percentile range of pre-Oroville baseline
Mean duration of low pulses within each year (days)	Large – Durations shifted into 75%-100% percentile range of pre-Oroville baseline
Number of high pulses (above 75 th percentile) each year	Large – Pulses shifted into 0%-25% percentile range of pre-Oroville baseline
Mean duration of high pulses within each year (days)	Large – Durations shifted into 0%-25% percentile range of pre-Oroville baseline

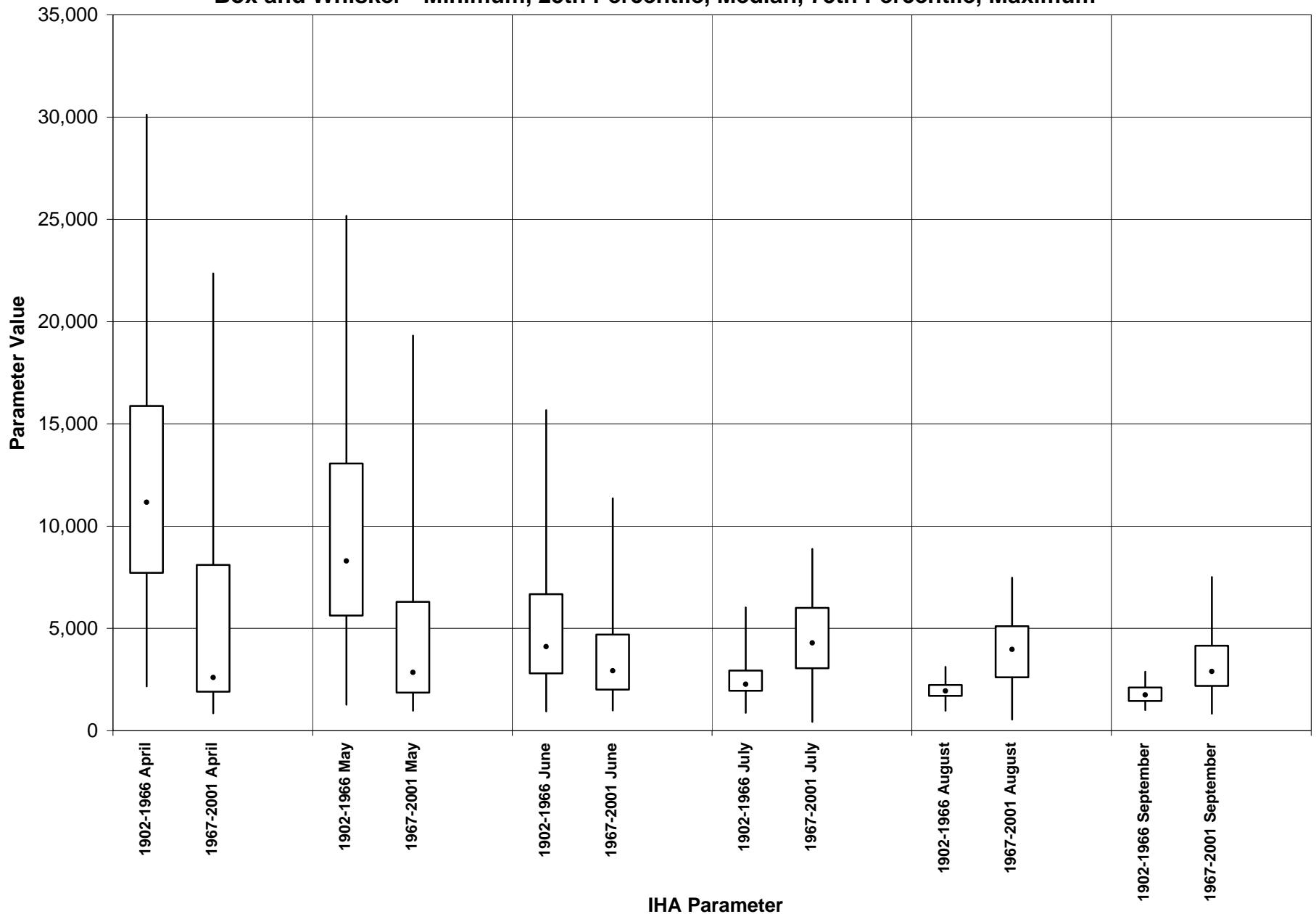
**Table 4E – Alteration in Rate and Frequency of Hydrograph Changes
from Pre-Oroville to Post-Oroville Dam**

Hydrologic Parameters	Oroville Gage 11407000
Means of all positive differences between consecutive daily values (rise rate)	Large – Rates shifted into 0%-25% percentile range of pre-Oroville baseline
Means of all negative differences between consecutive daily values (fall rate)	Moderate – Rates shifted into 75%-100% percentile range of pre-Oroville baseline
Number of reversals	Large – Reversals shifted into 75%-100% percentile range of pre-Oroville baseline

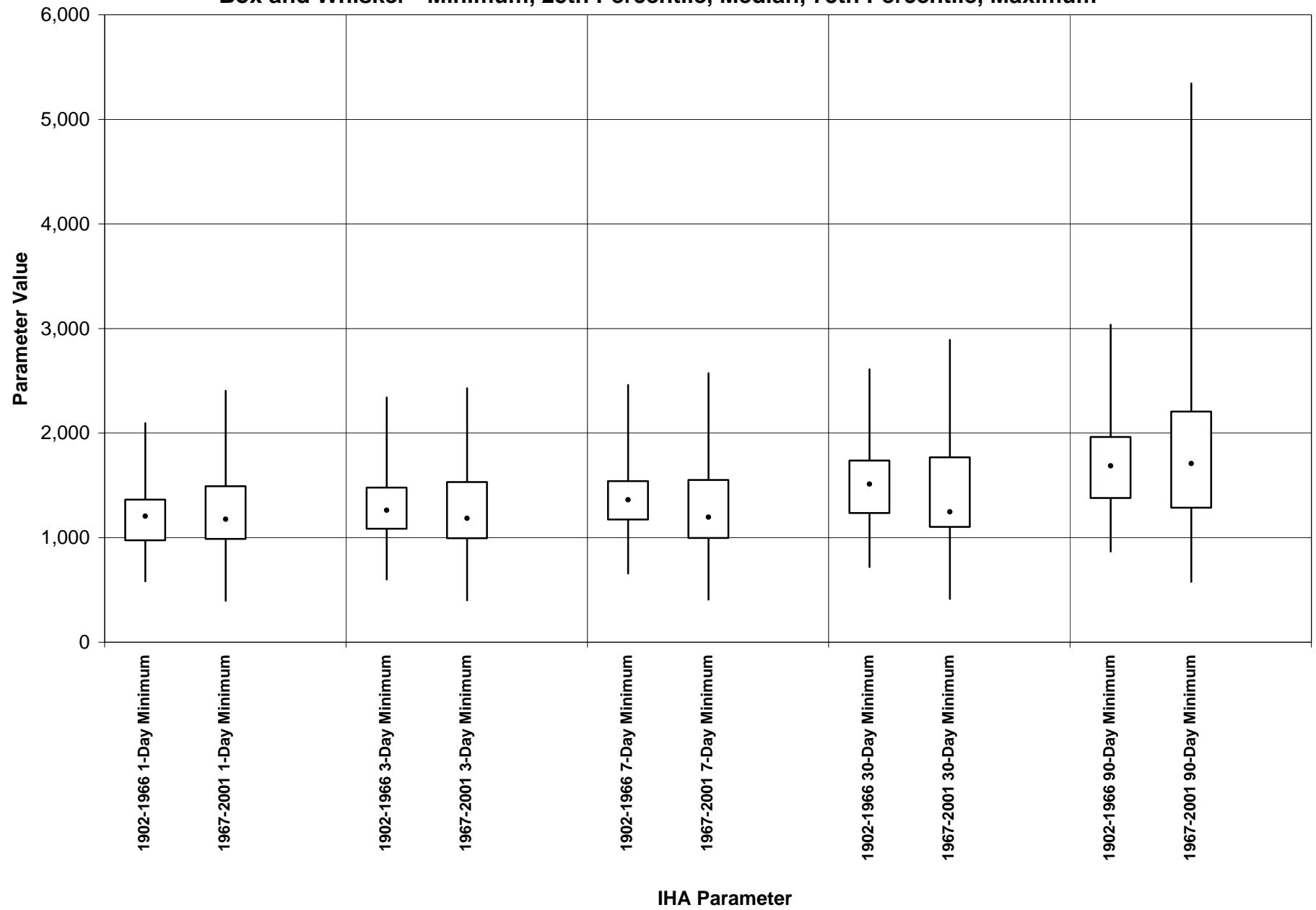
11407000 - Feather River at Oroville
IHA NonParametric Analysis - Oroville Dam Impact Year
Box and Whisker - Minimum, 25th Percentile, Median, 75th Percentile, Maximum



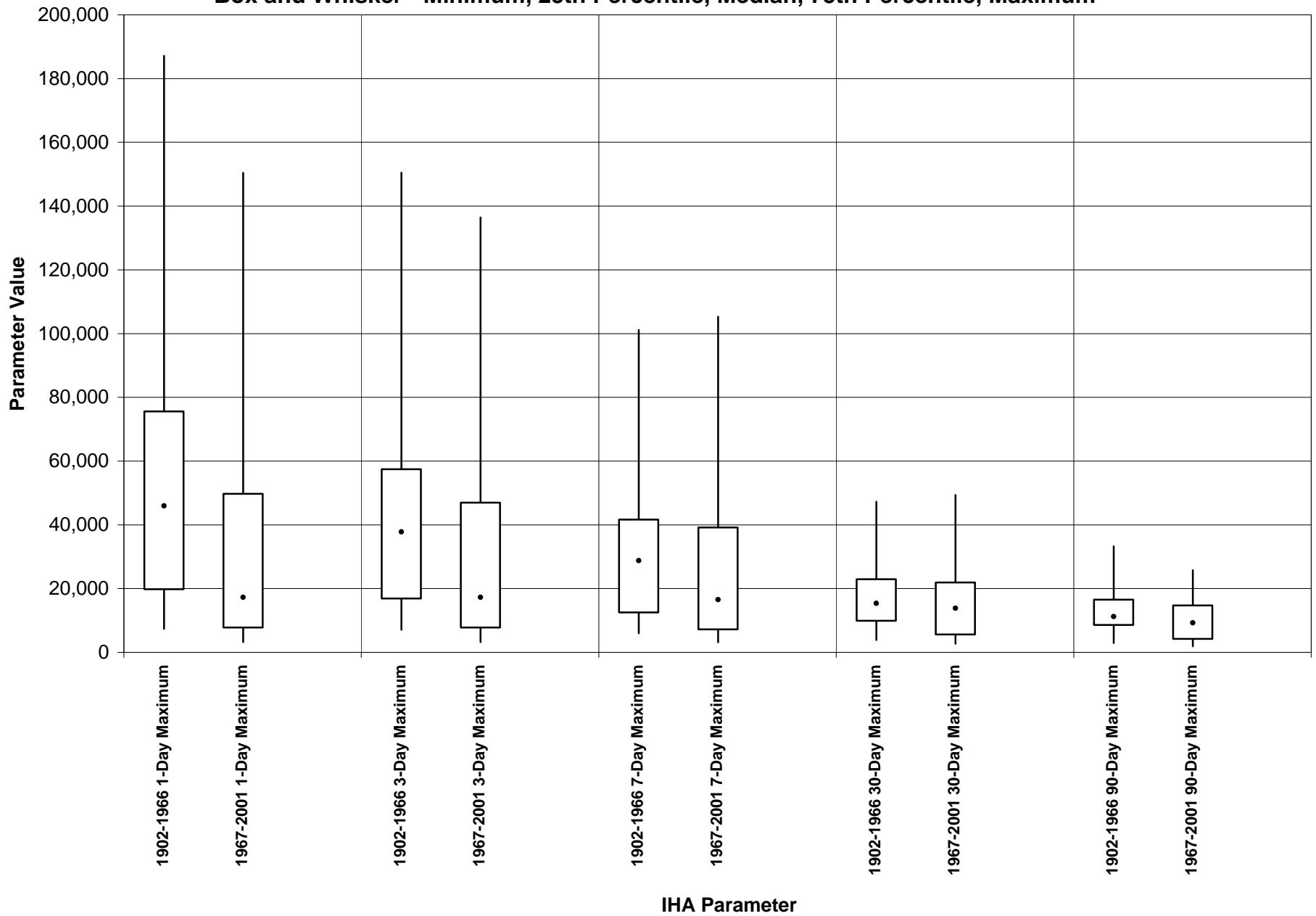
11407000 - Feather River at Oroville
IHA NonParametric Analysis - Oroville Dam Impact Year
Box and Whisker - Minimum, 25th Percentile, Median, 75th Percentile, Maximum



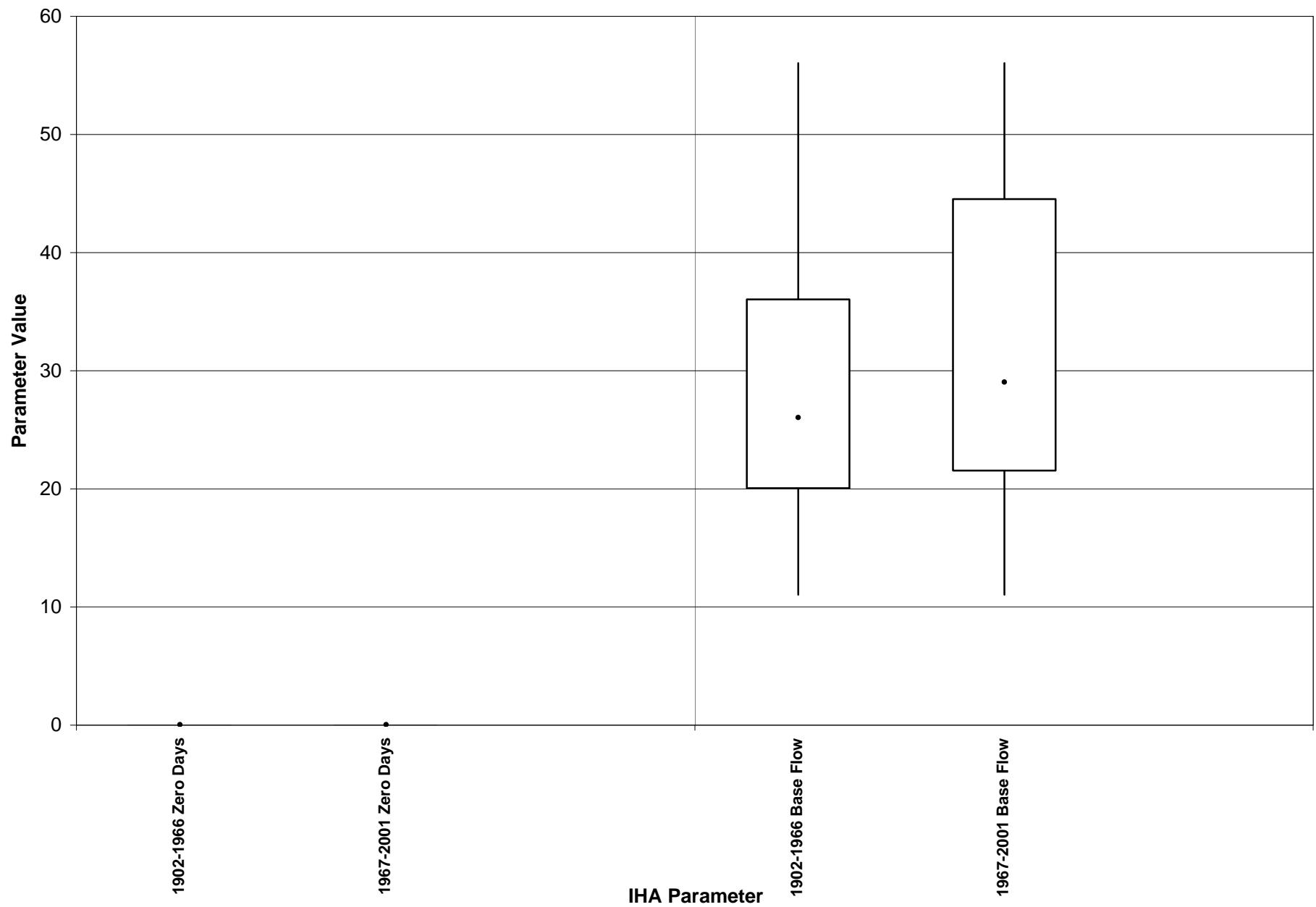
11407000 - Feather River at Oroville
IHA NonParametric Analysis - Oroville Dam Impact Year
Box and Whisker - Minimum, 25th Percentile, Median, 75th Percentile, Maximum



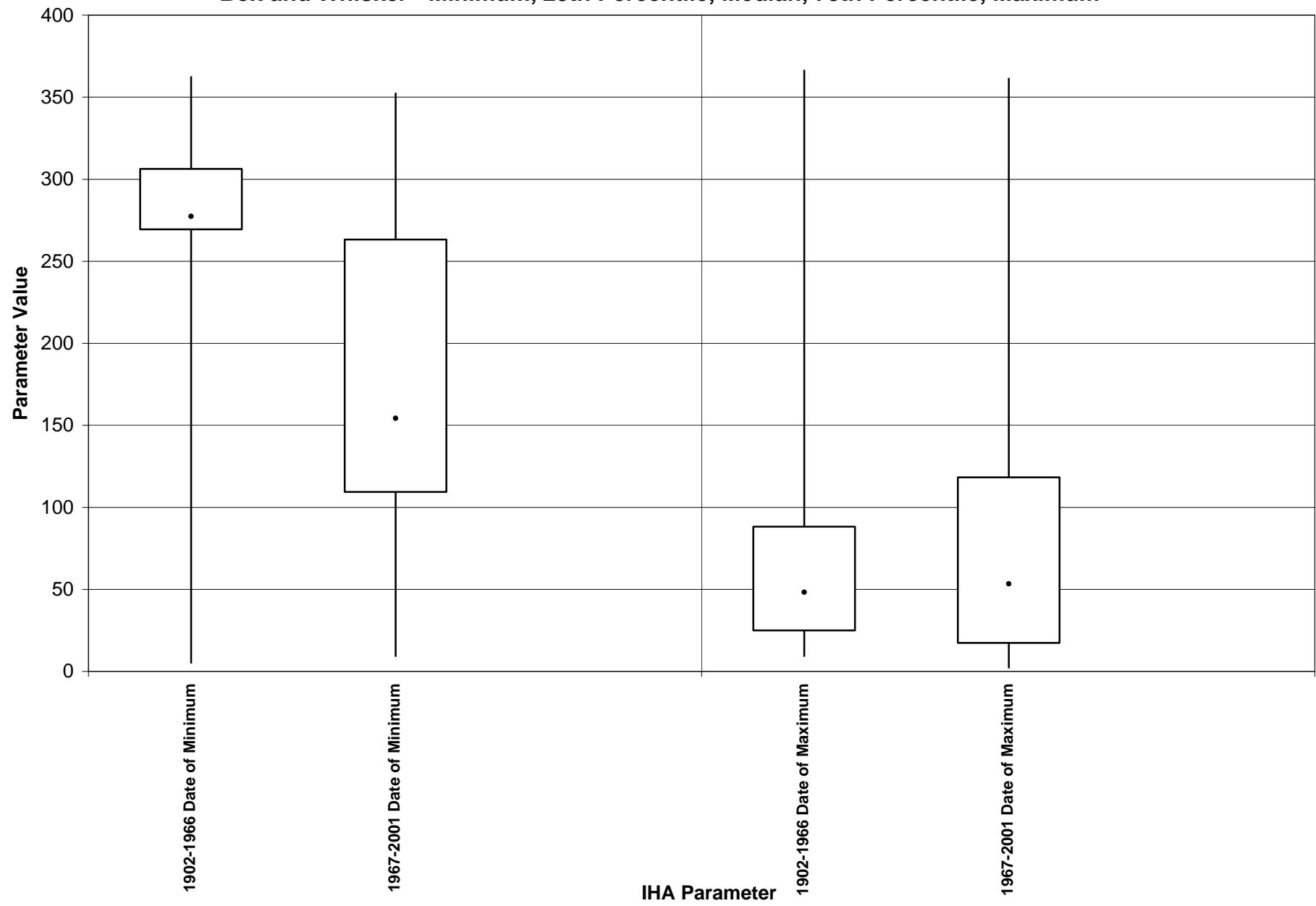
11407000 - Feather River at Oroville
IHA NonParametric Analysis - Oroville Dam Impact Year
Box and Whisker - Minimum, 25th Percentile, Median, 75th Percentile, Maximum



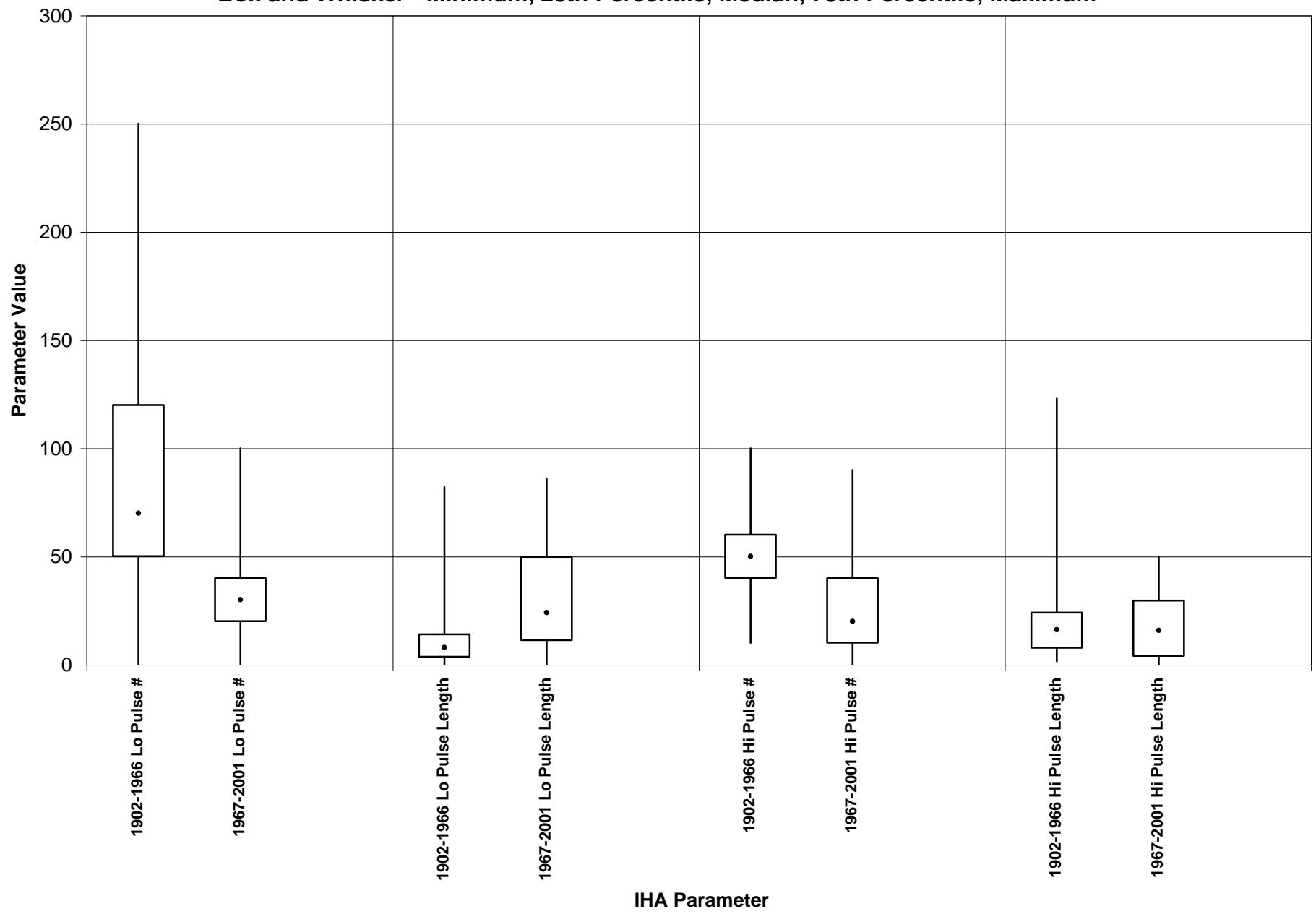
11407000 - Feather River at Oroville
IHA NonParametric Analysis - Oroville Dam Impact Year
Box and Whisker - Minimum, 25th Percentile, Median, 75th Percentile, Maximum



11407000 - Feather River at Oroville
IHA NonParametric Analysis - Oroville Dam Impact Year
Box and Whisker - Minimum, 25th Percentile, Median, 75th Percentile, Maximum

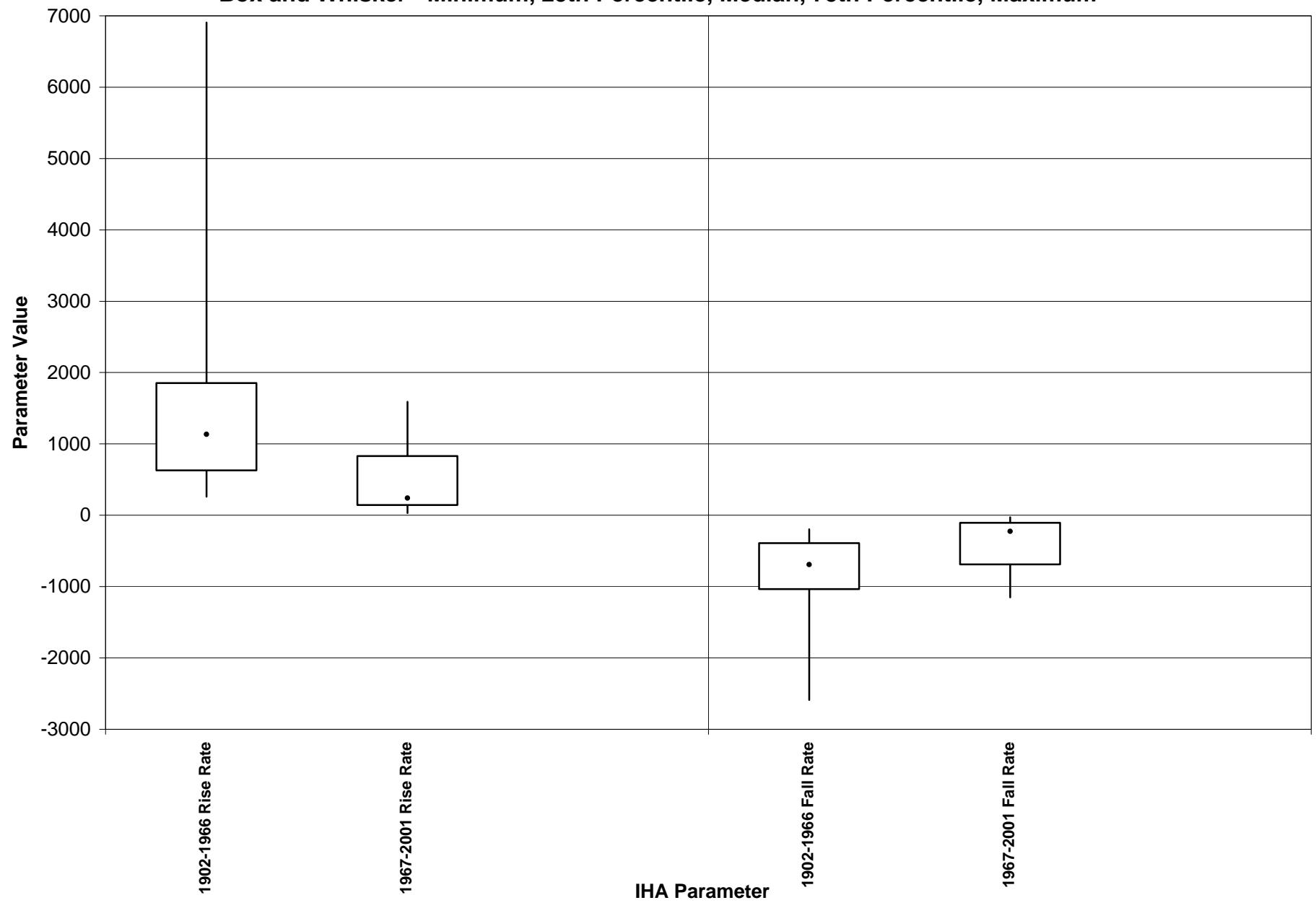


11407000 - Feather River at Oroville
IHA NonParametric Analysis - Oroville Dam Impact Year
Box and Whisker - Minimum, 25th Percentile, Median, 75th Percentile, Maximum

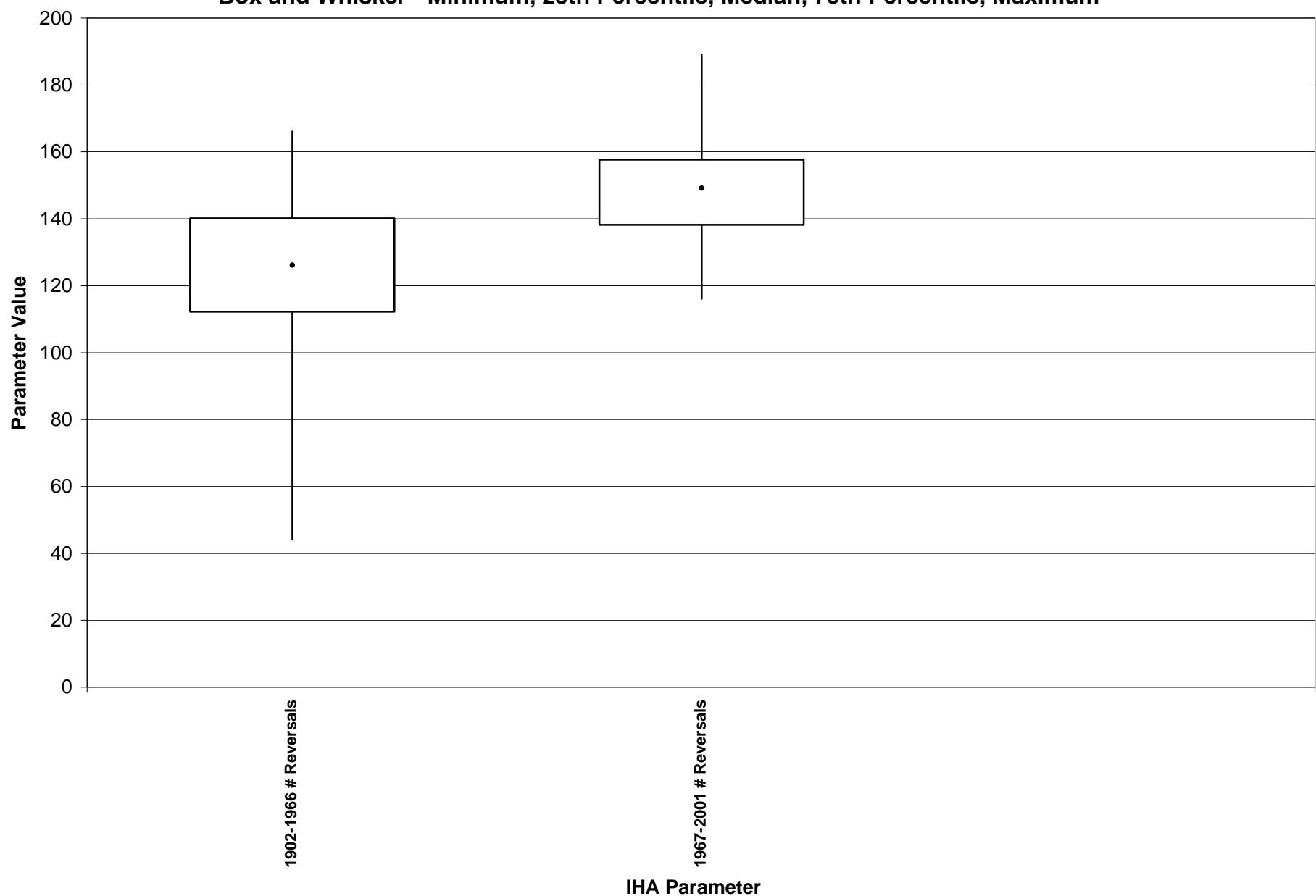


**11407000 - Feather River at Oroville
IHA NonParametric Analysis - Oroville Dam Impact Year**

Box and Whisker - Minimum, 25th Percentile, Median, 75th Percentile, Maximum



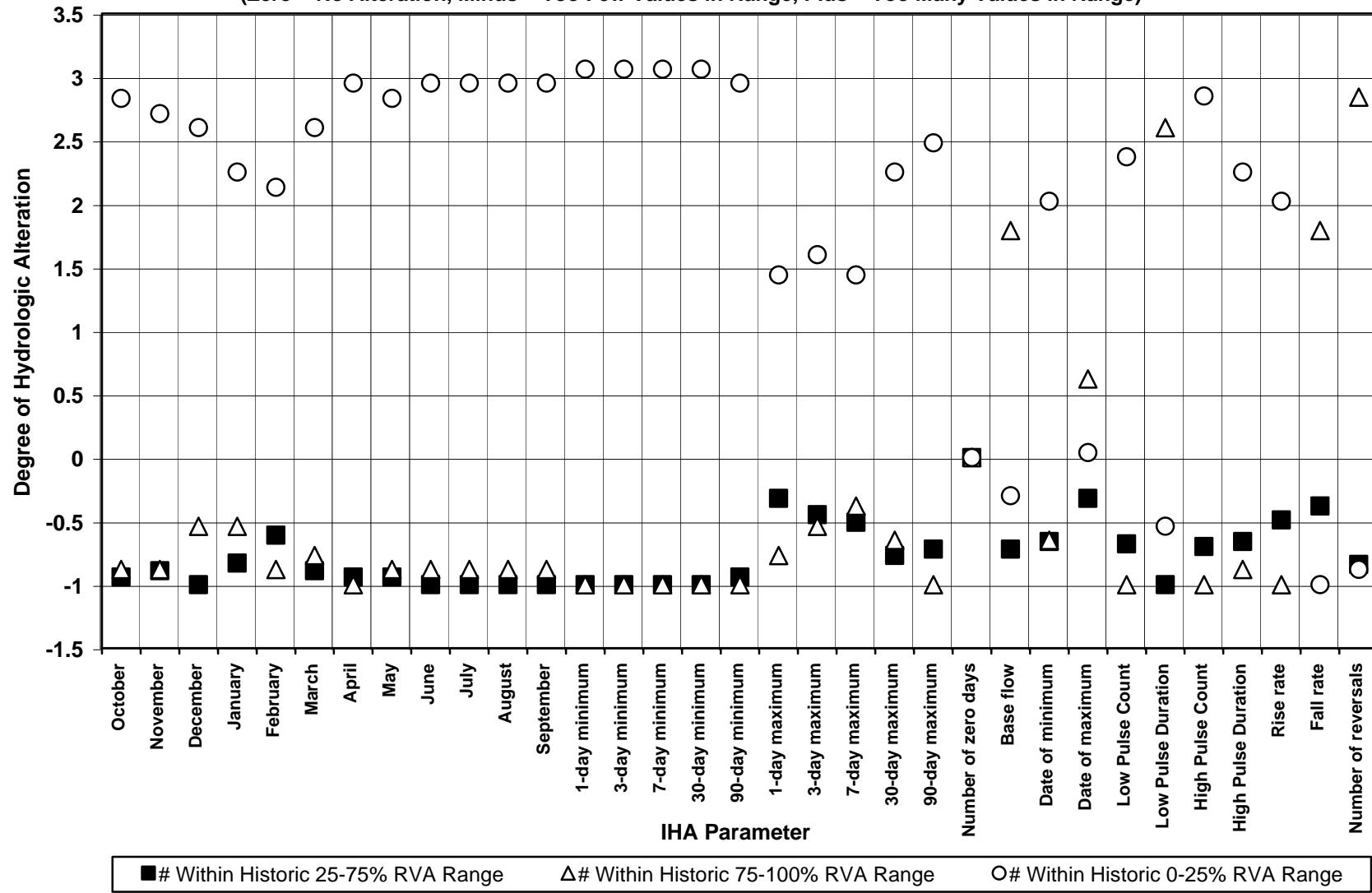
11407000 - Feather River at Oroville
IHA NonParametric Analysis - Oroville Dam Impact Year
Box and Whisker - Minimum, 25th Percentile, Median, 75th Percentile, Maximum



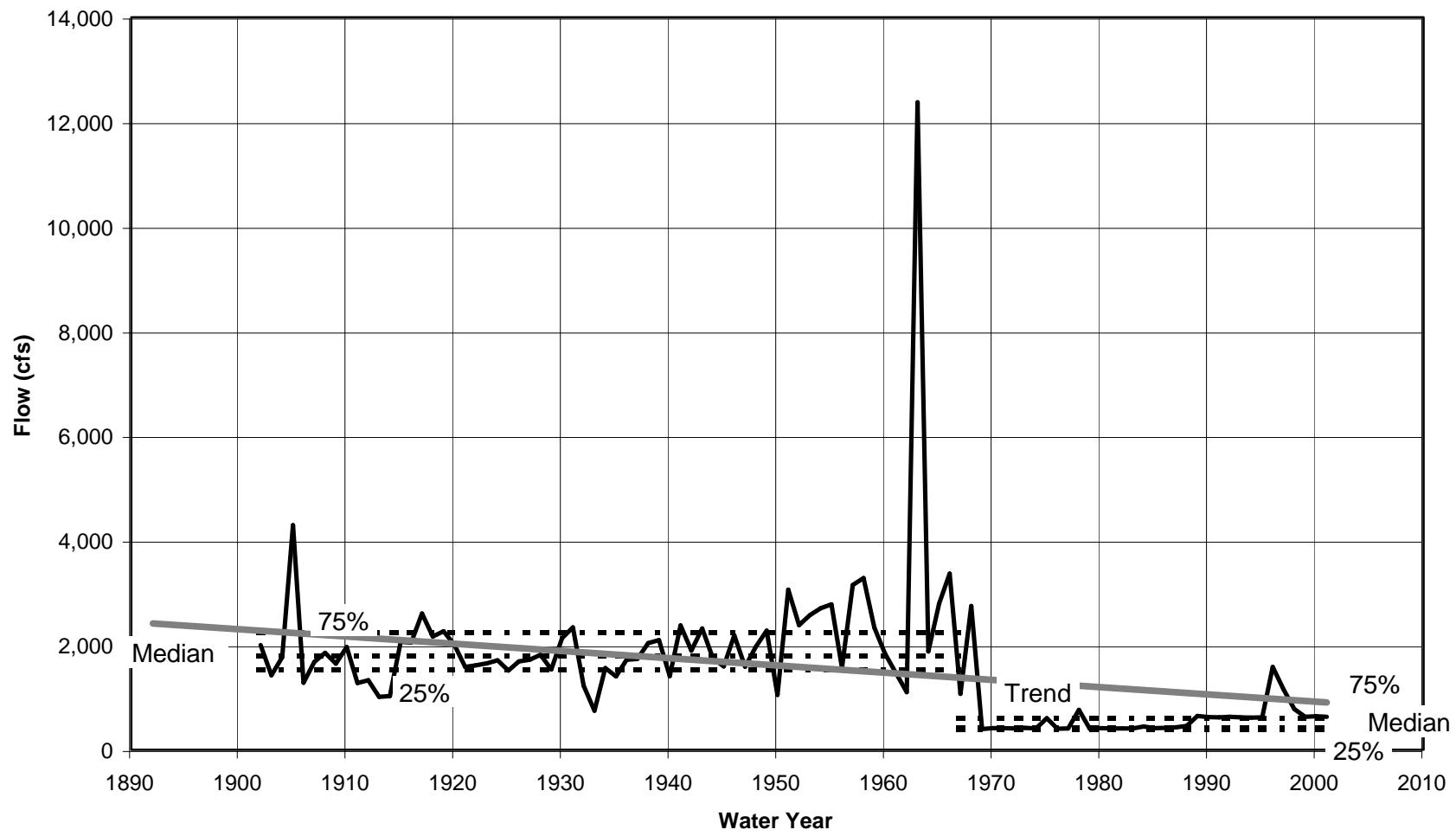
11407000 - Feather River at Oroville

Degree of Hydrologic Alteration of IHA Parameters

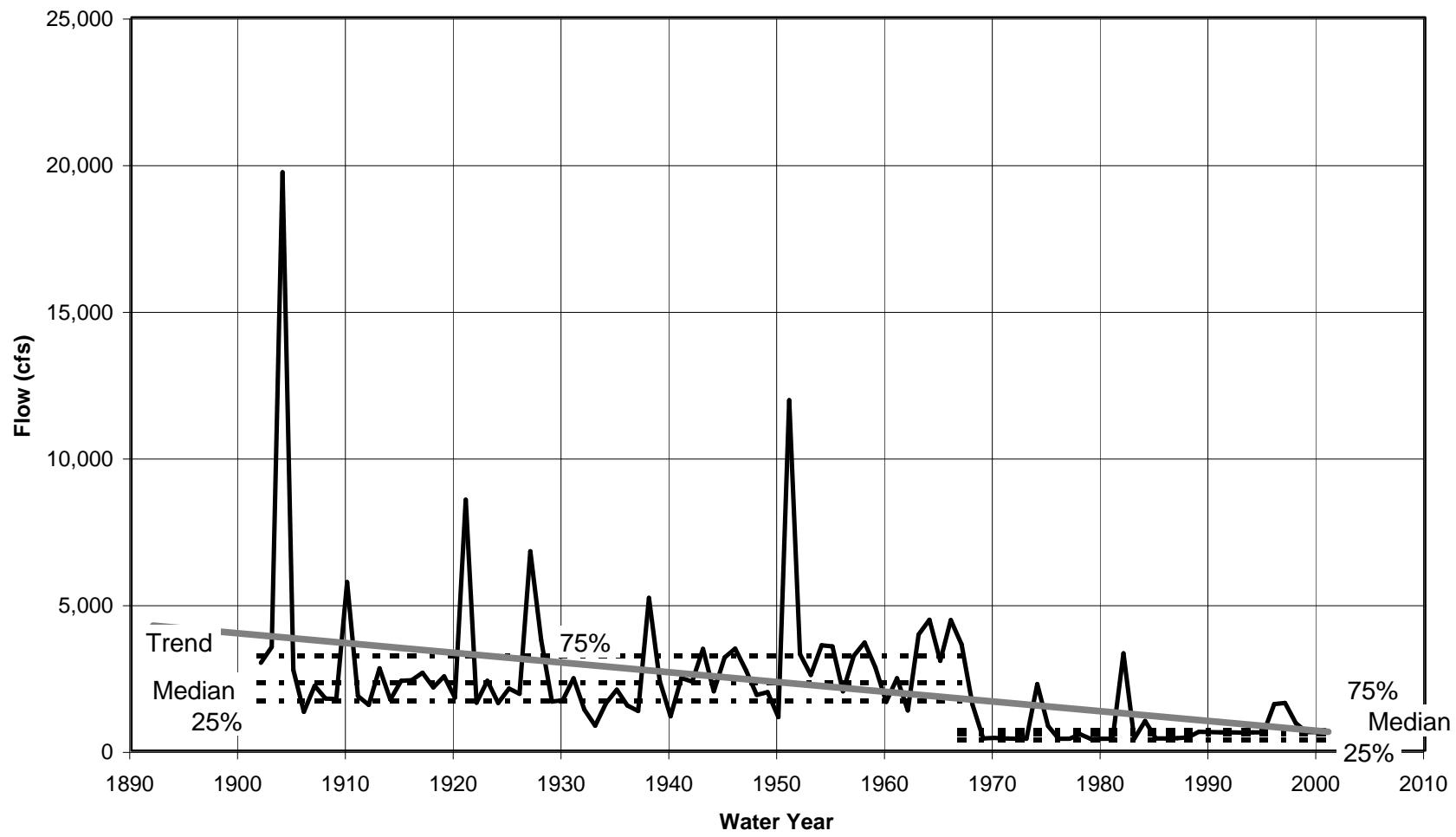
(Zero = No Alteration, Minus = Too Few Values in Range, Plus = Too Many Values in Range)



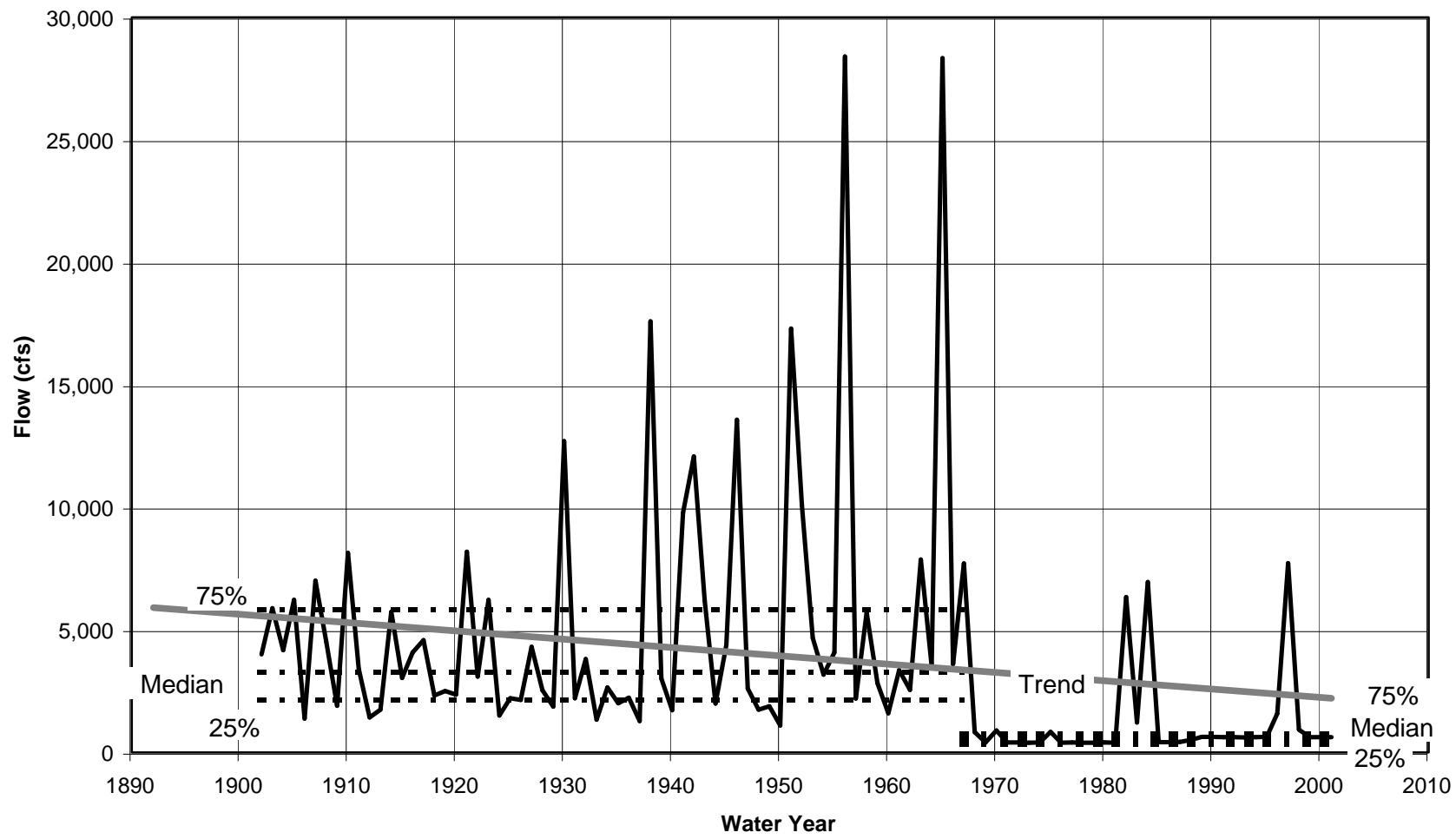
**11407000 - Feather River at Oroville
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
Mean October Flows**



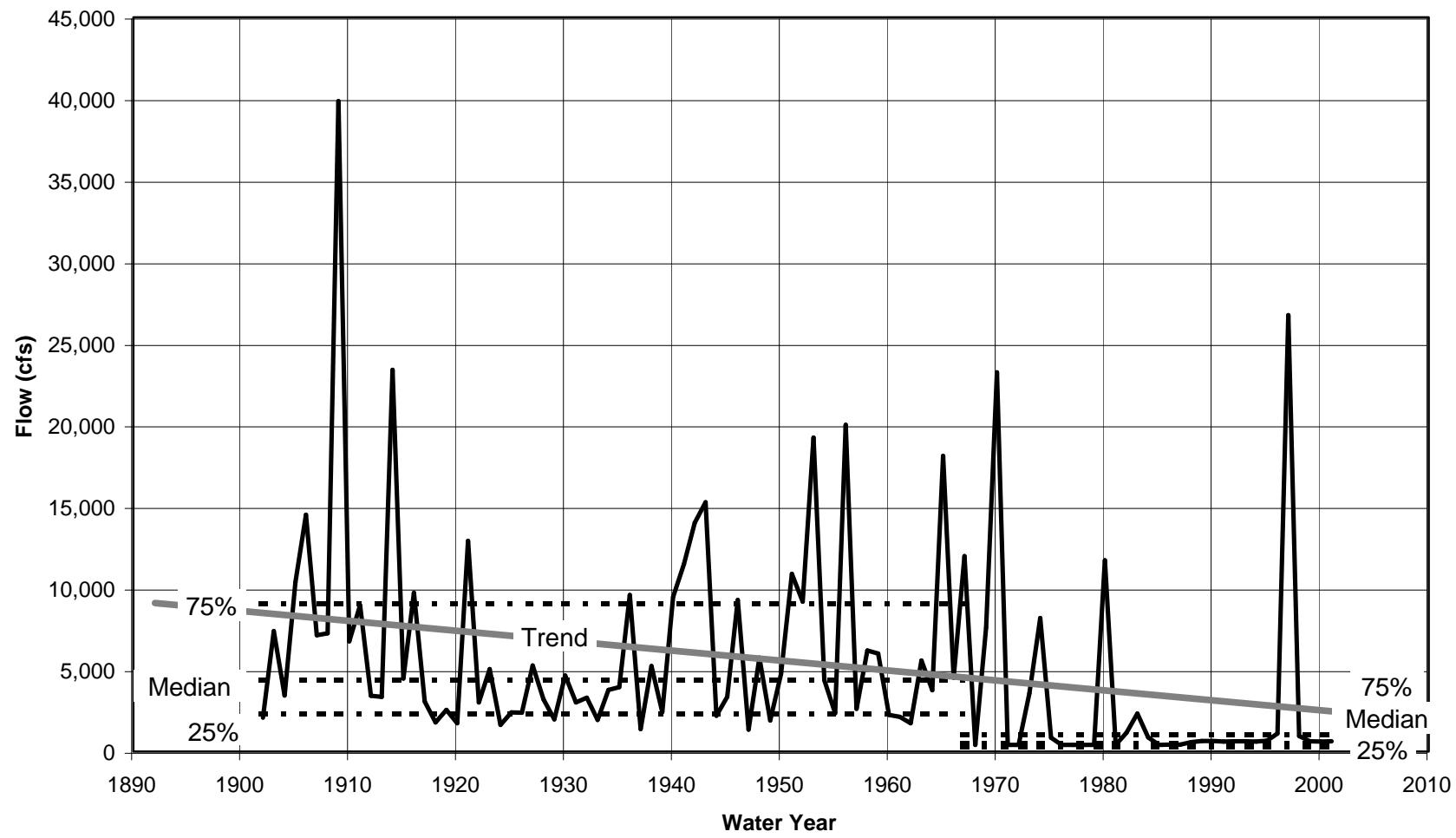
11407000 - Feather River at Oroville
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
Mean November Flows



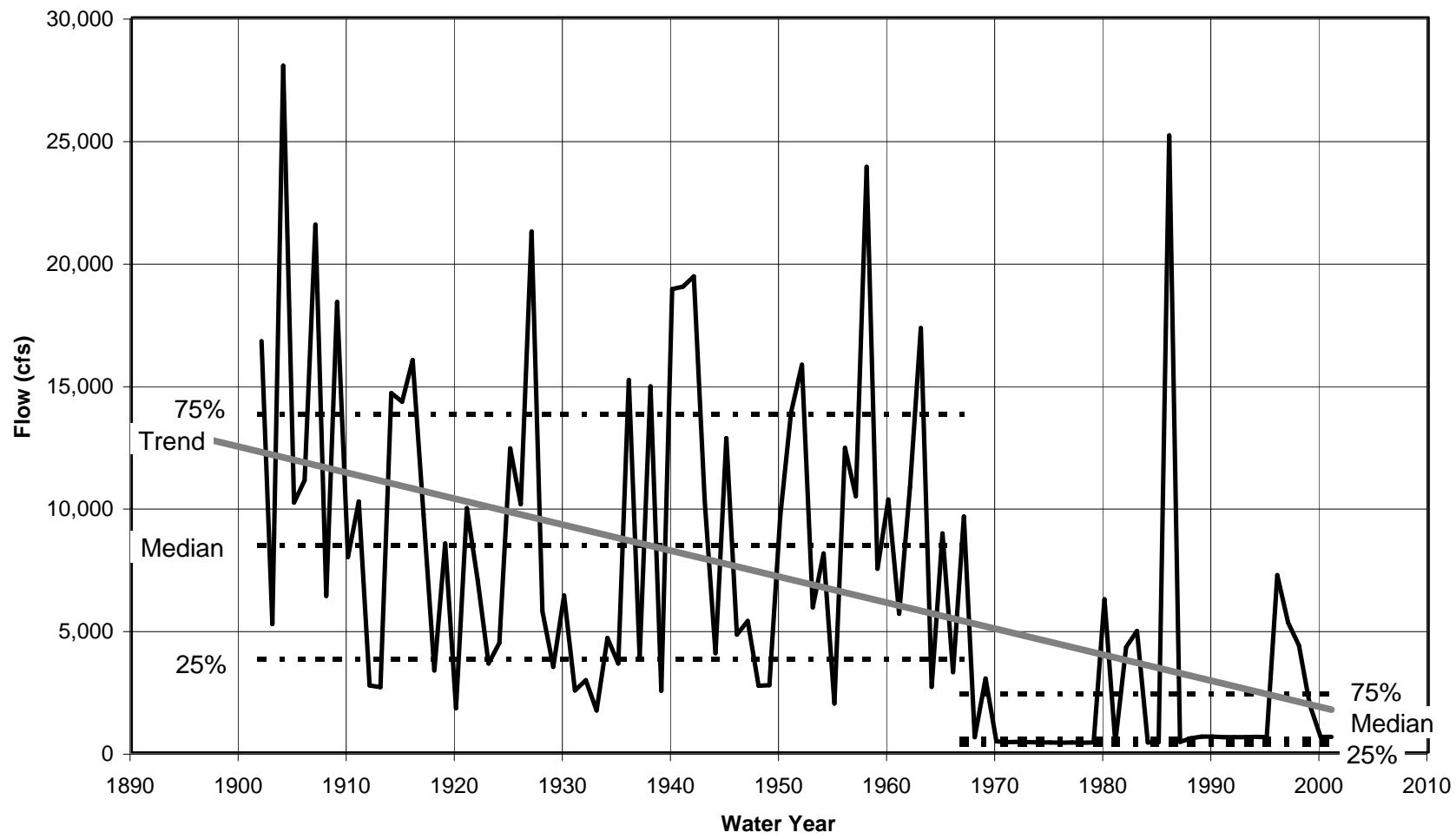
11407000 - Feather River at Oroville
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
Mean December Flows



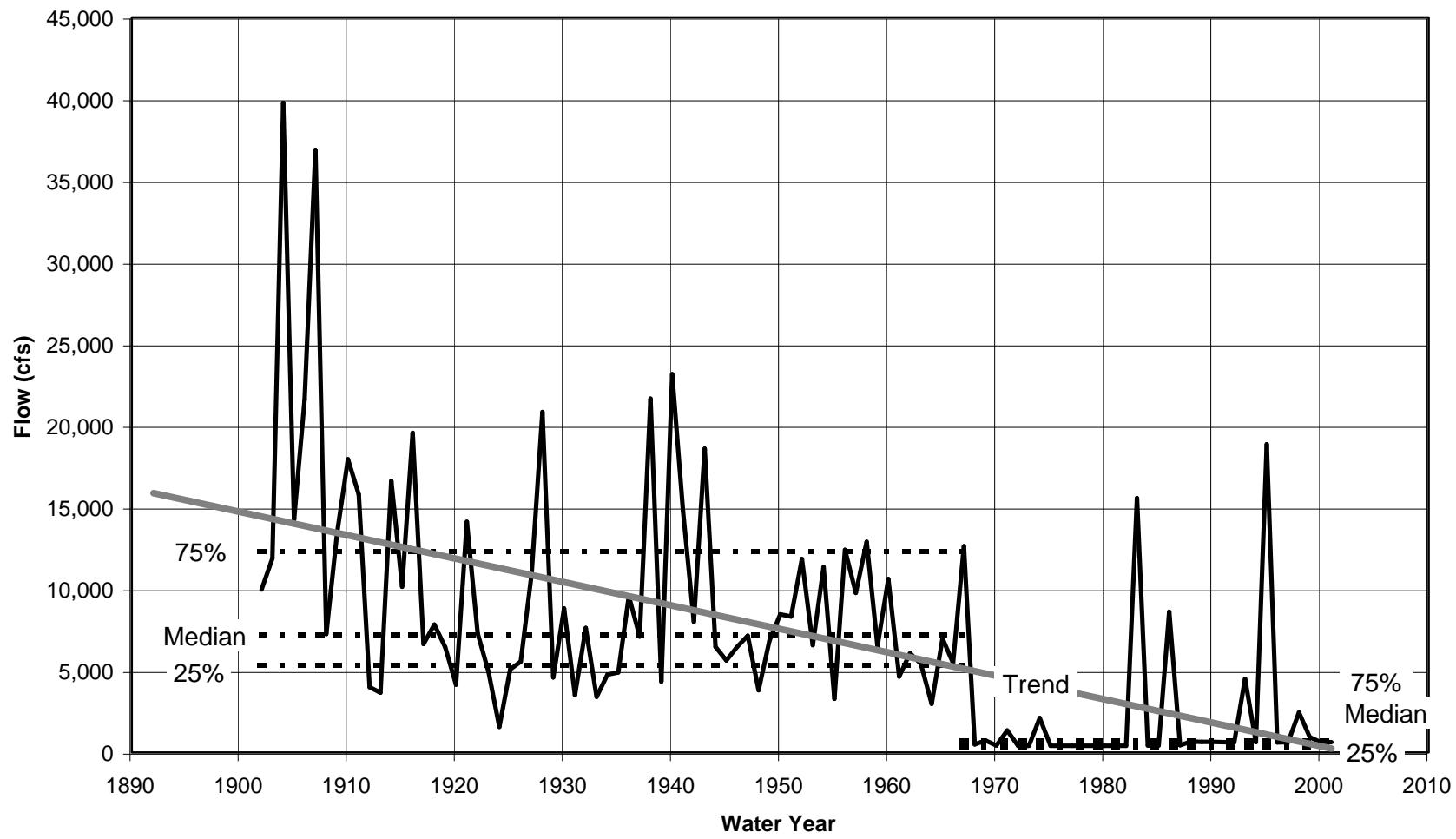
11407000 - Feather River at Oroville
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
Mean January Flows



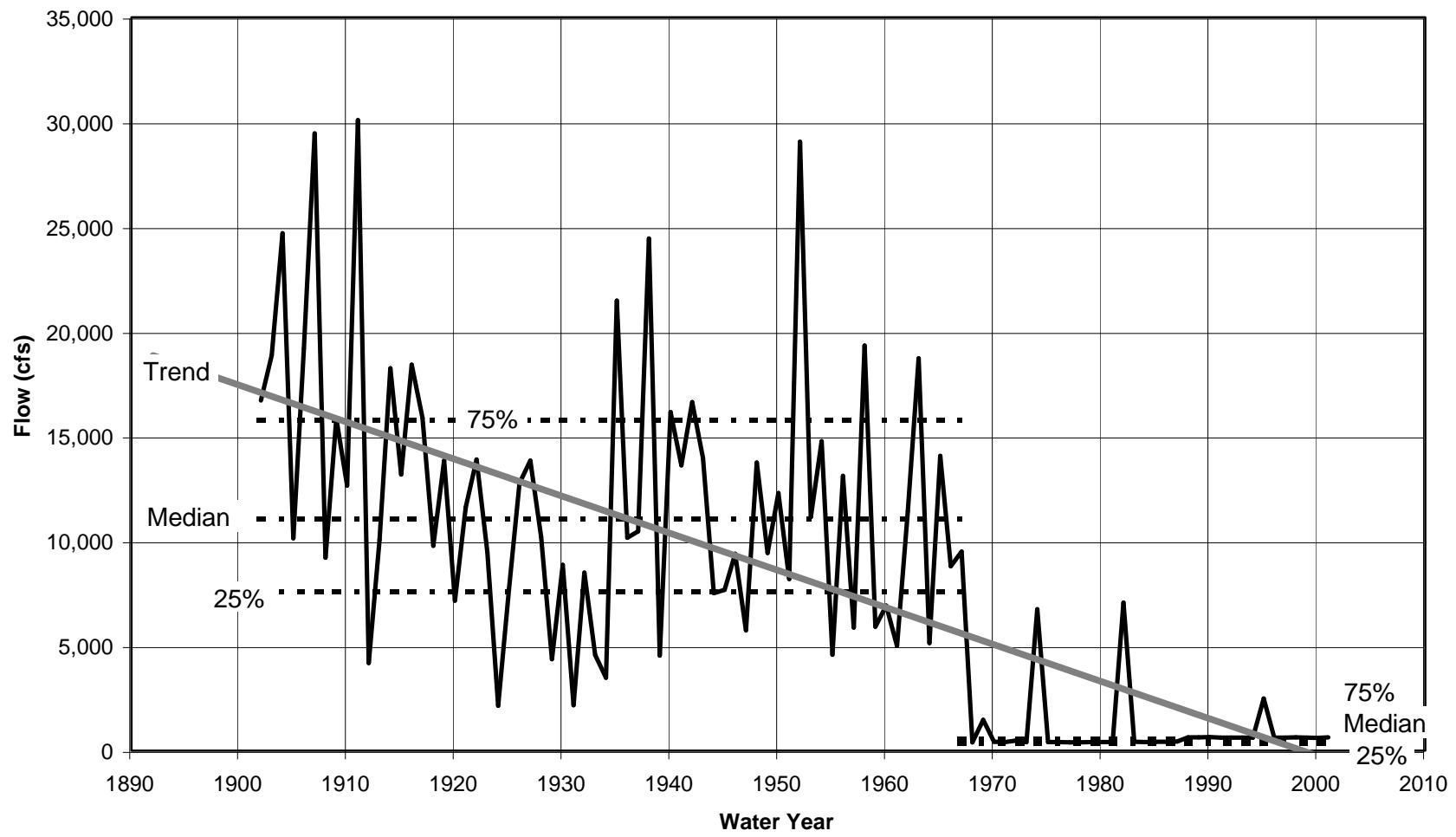
11407000 - Feather River at Oroville
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
Mean February Flows



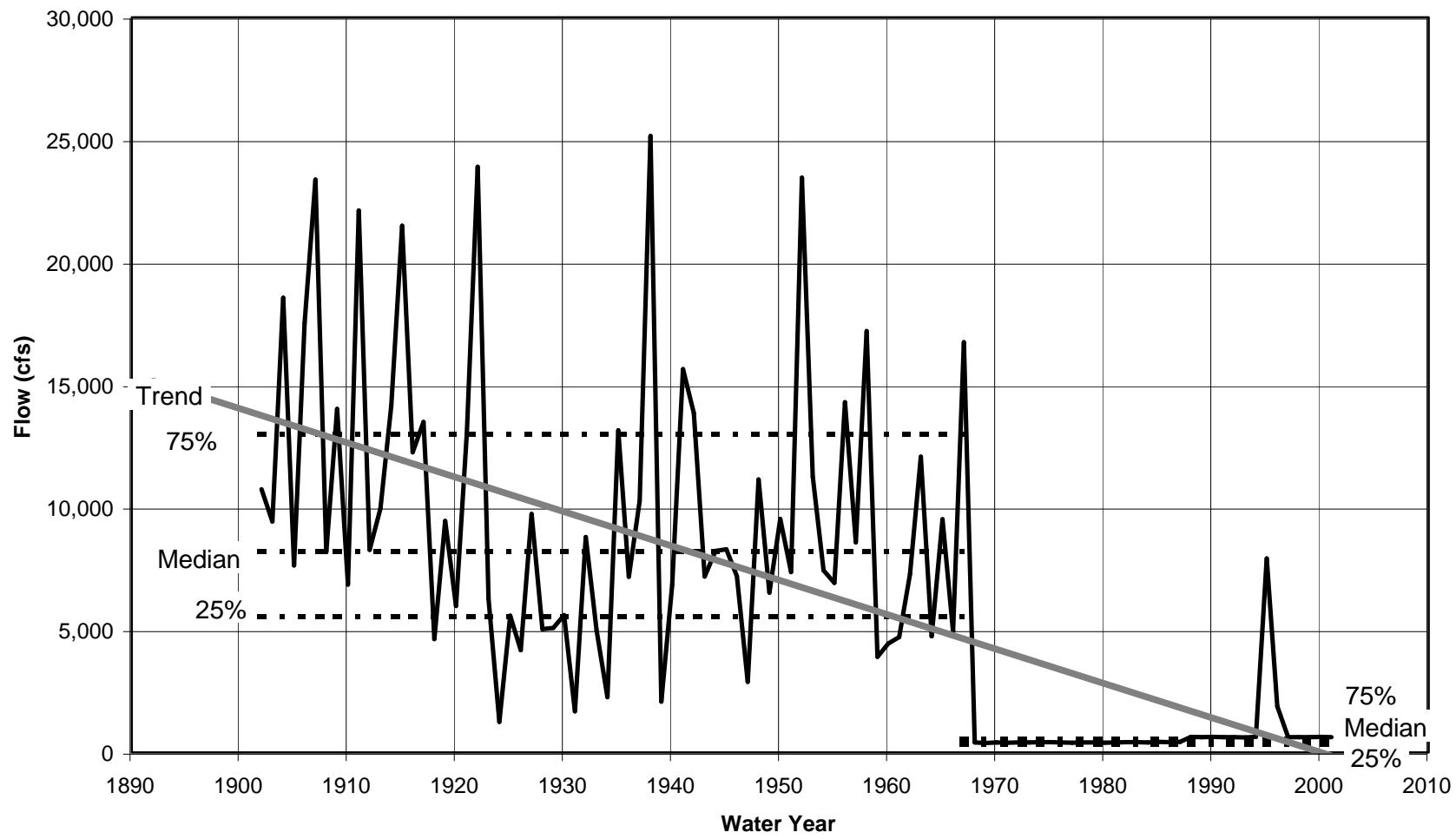
11407000 - Feather River at Oroville
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
Mean March Flows



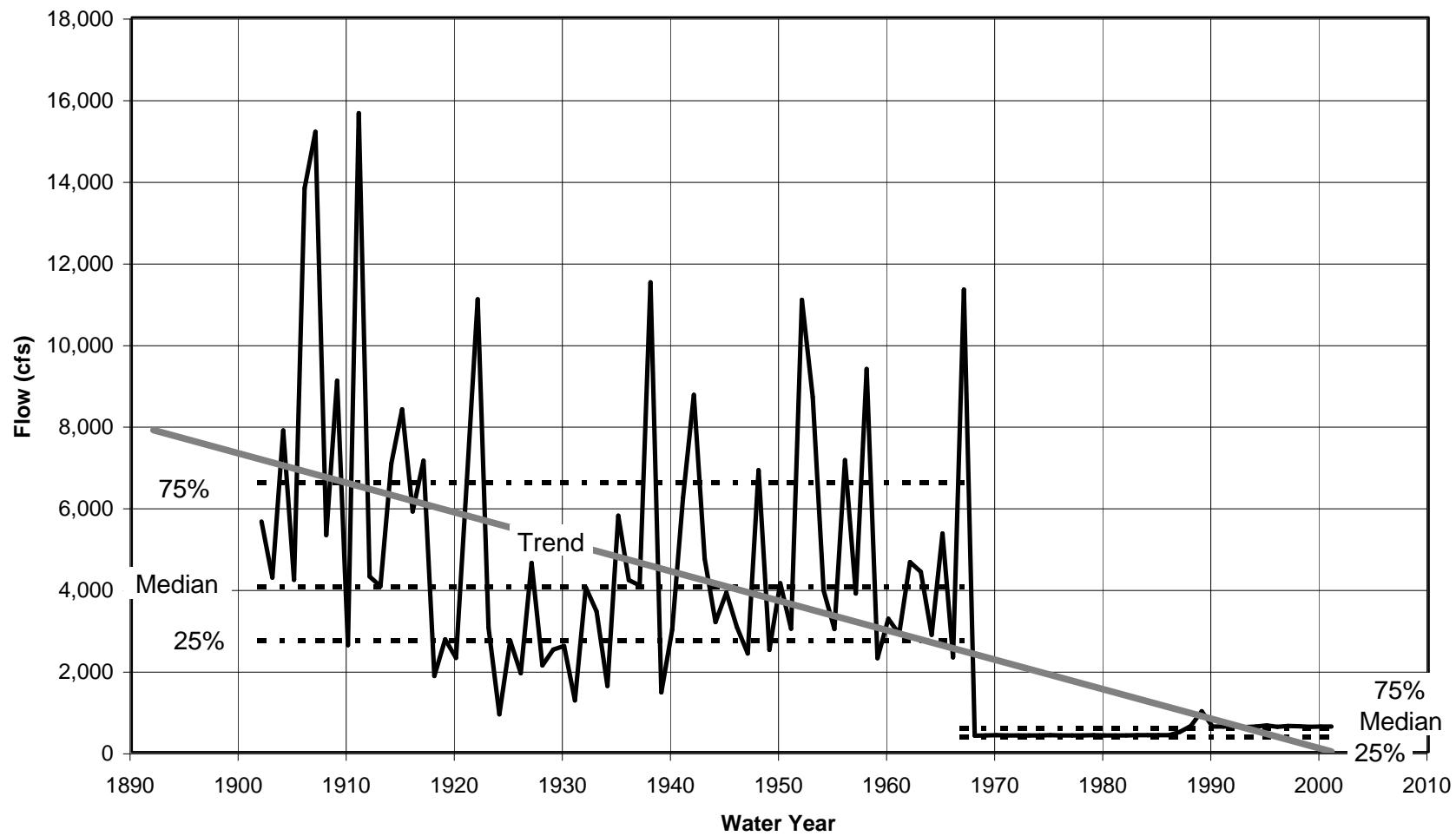
11407000 - Feather River at Oroville
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
Mean April Flows



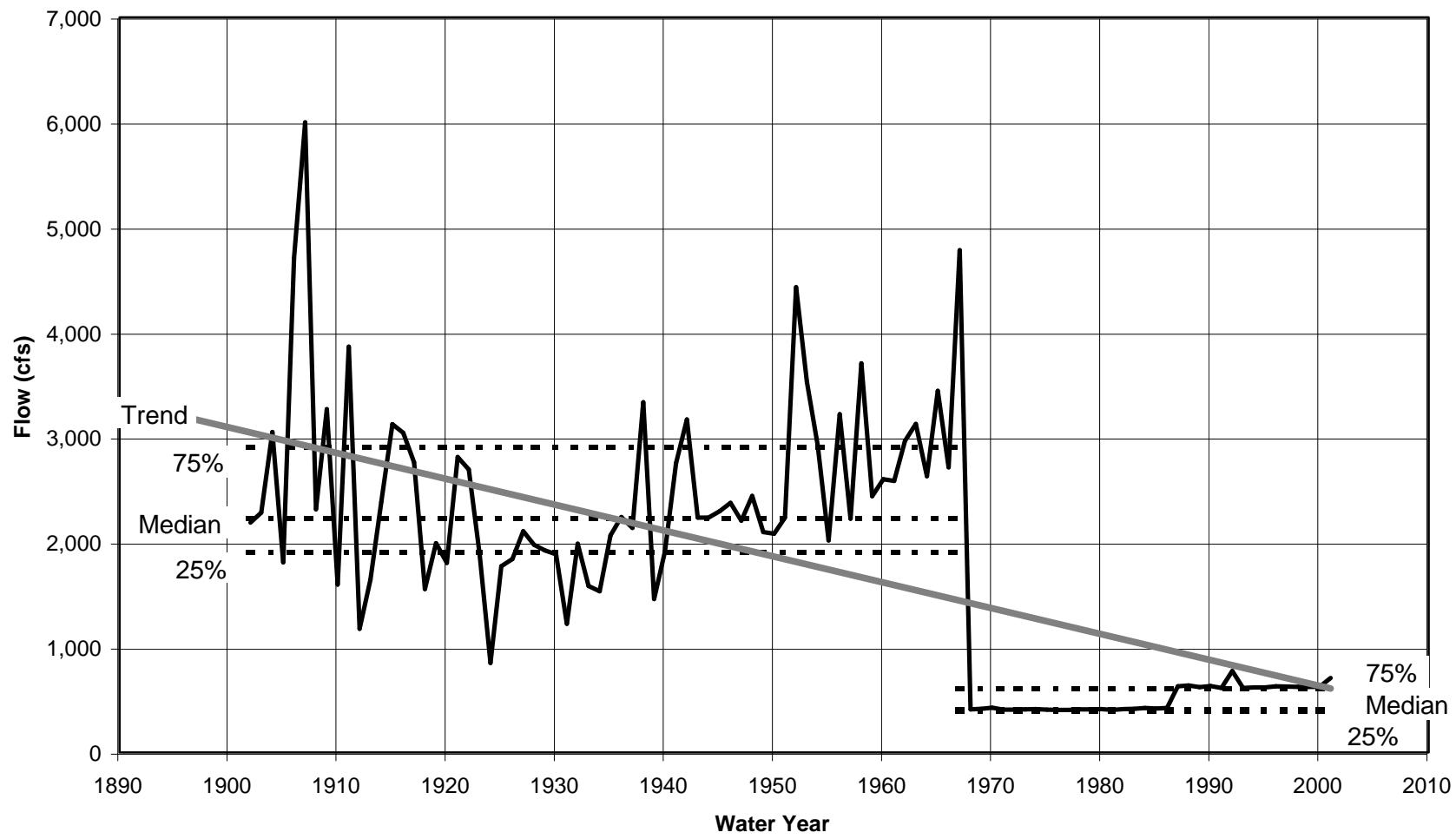
11407000 - Feather River at Oroville
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
Mean May Flows



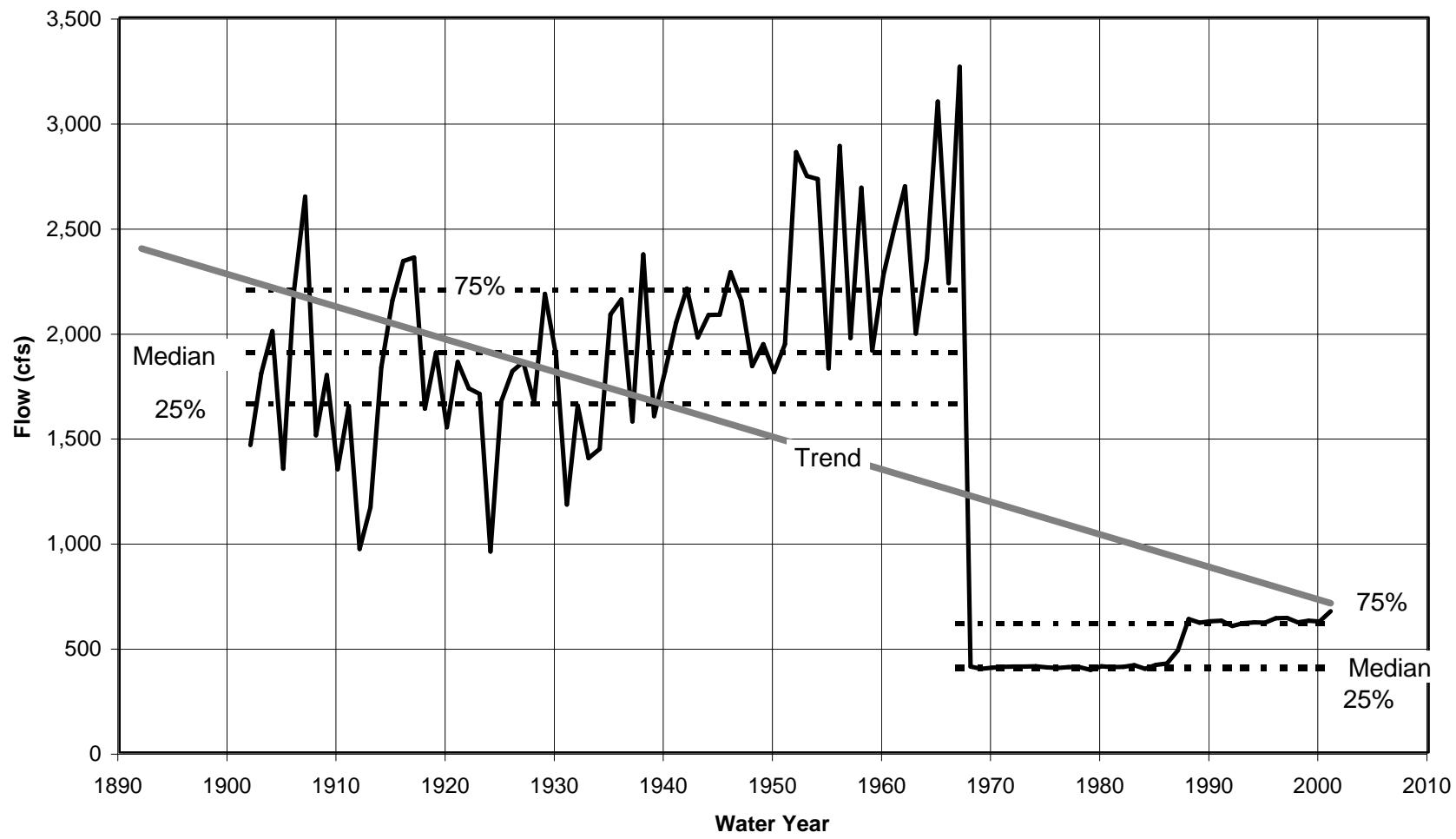
**11407000 - Feather River at Oroville
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
Mean June Flows**



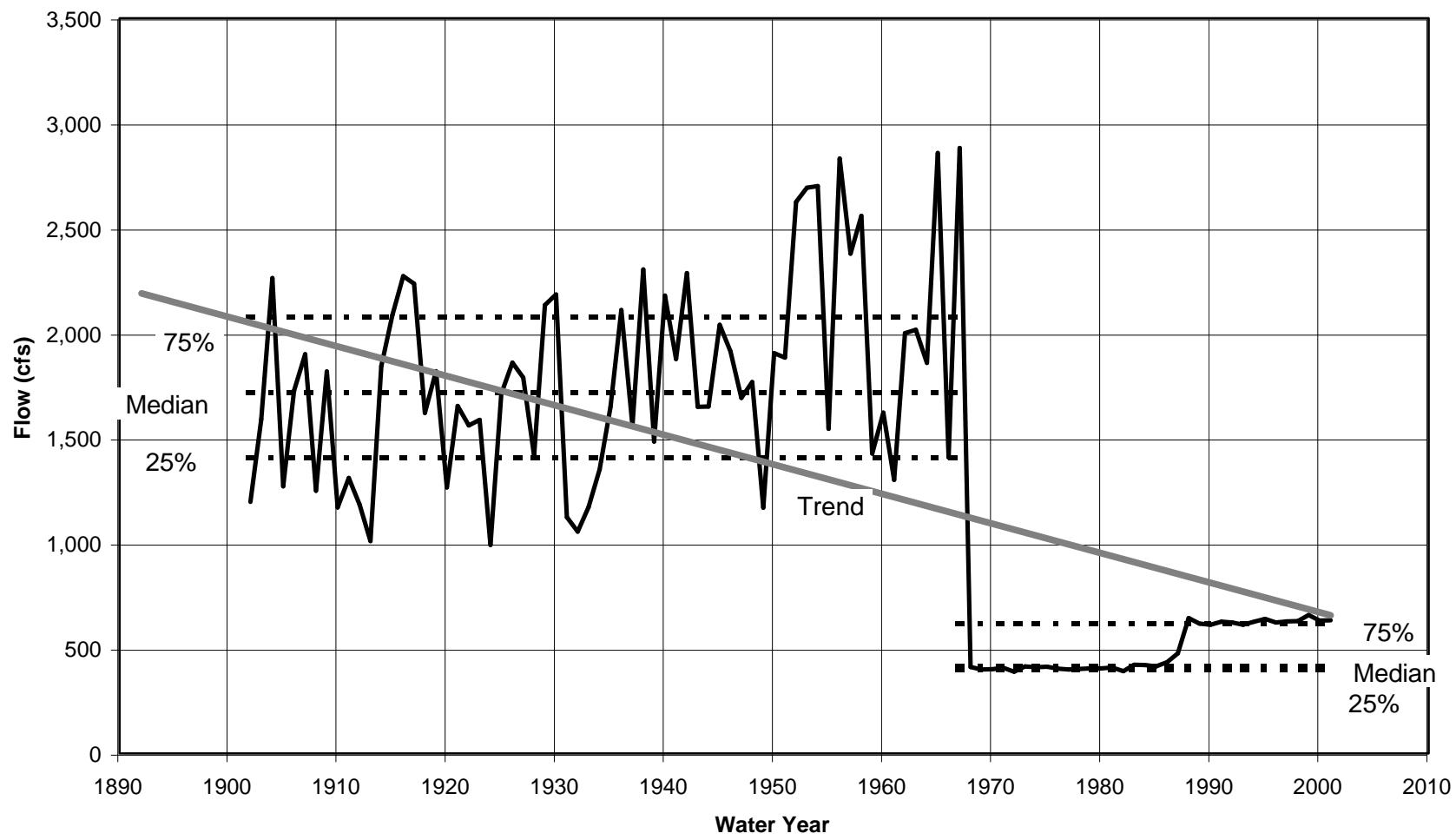
11407000 - Feather River at Oroville
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
Mean July Flows



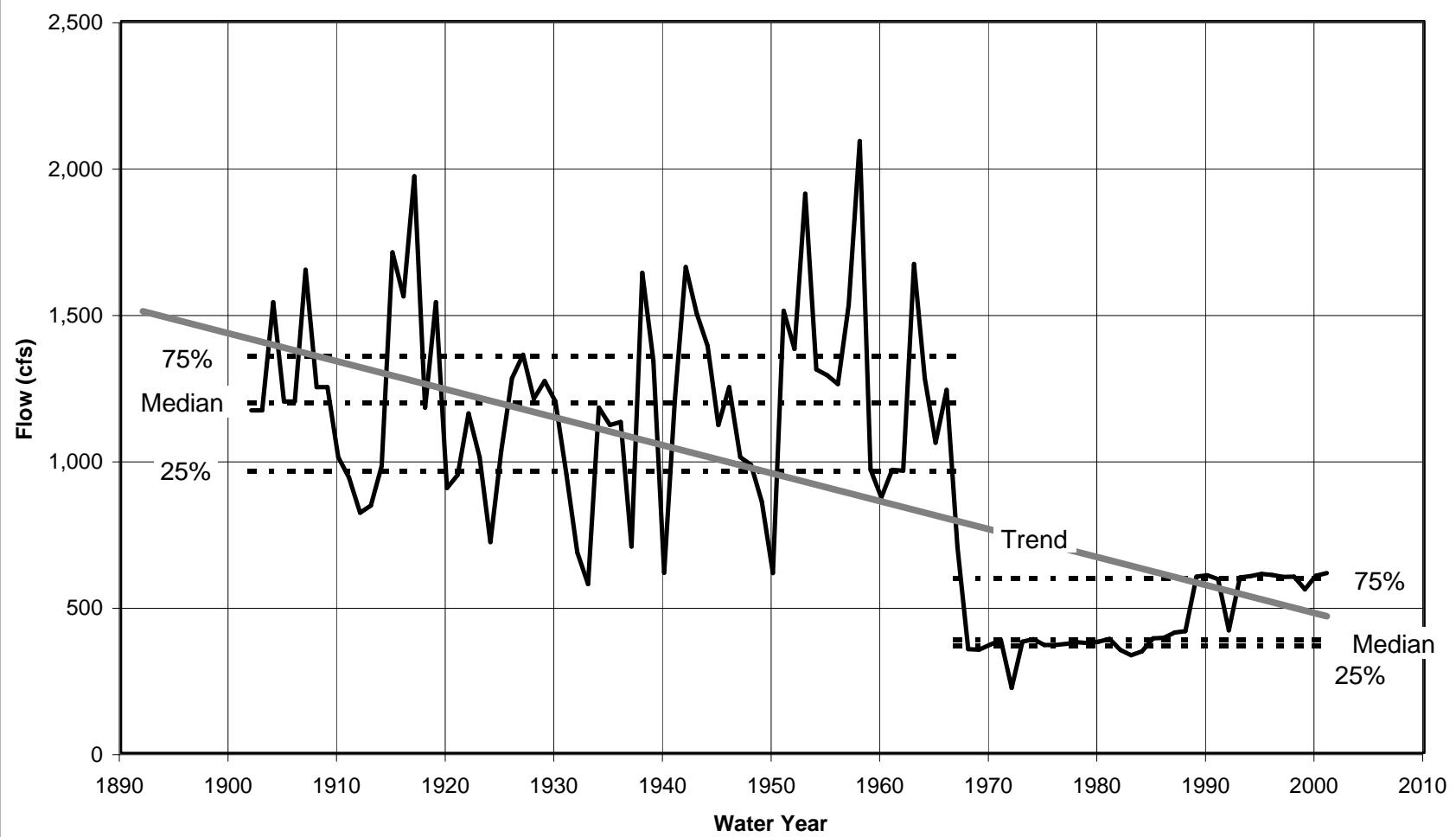
11407000 - Feather River at Oroville
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
Mean August Flows



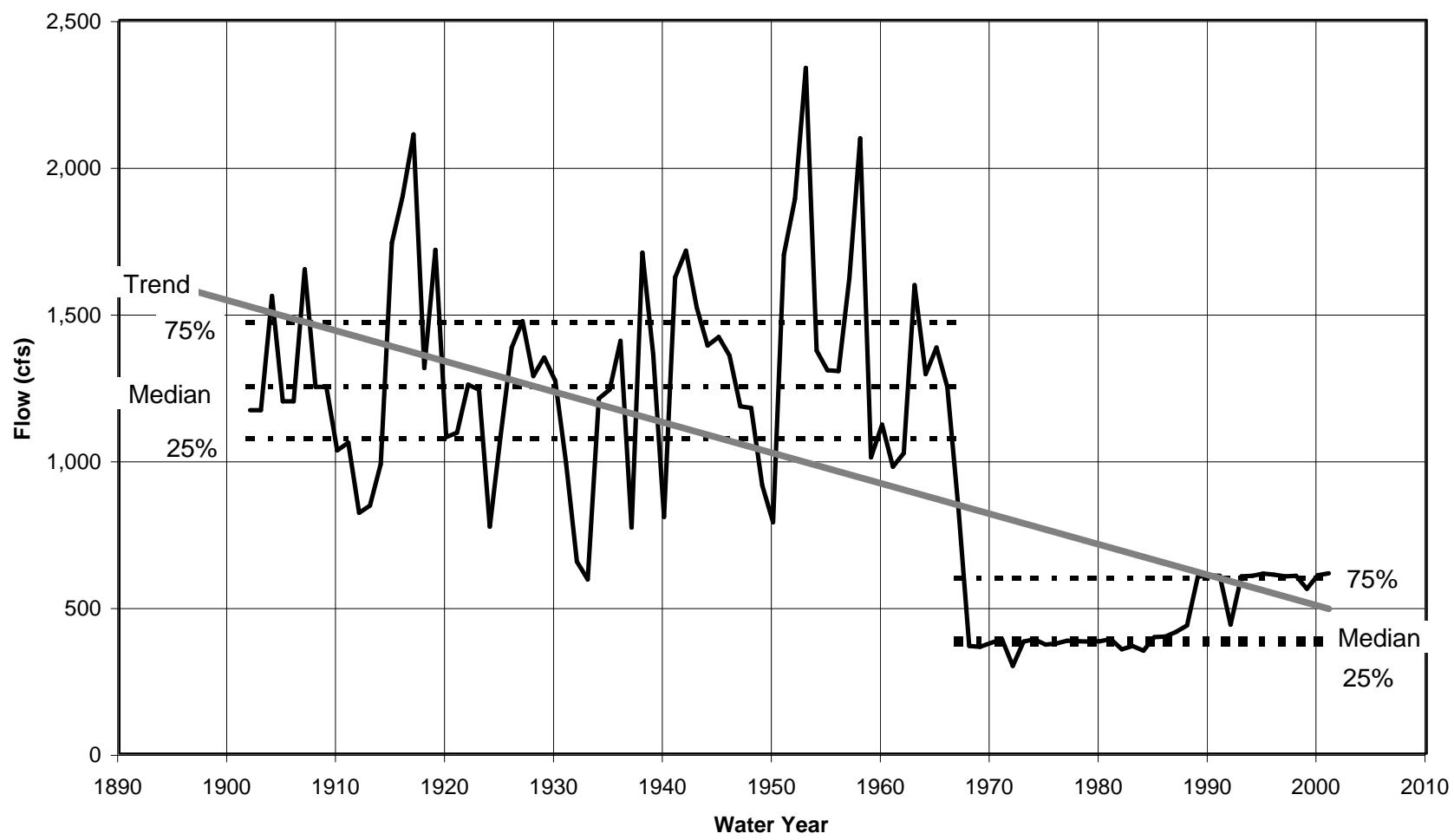
**11407000 - Feather River at Oroville
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
Mean September Flows**



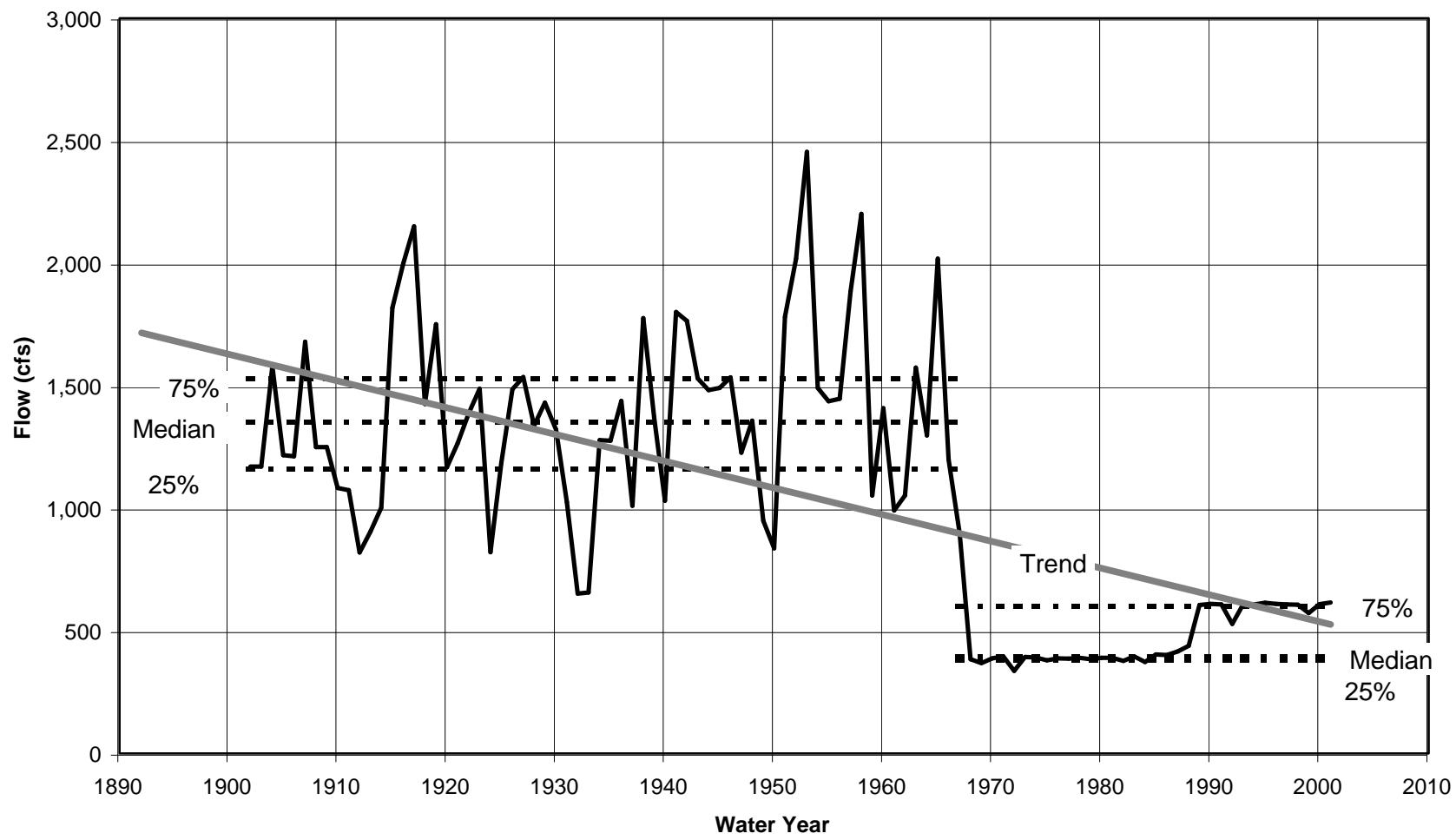
11407000 - Feather River at Oroville
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
1-Day Minimum



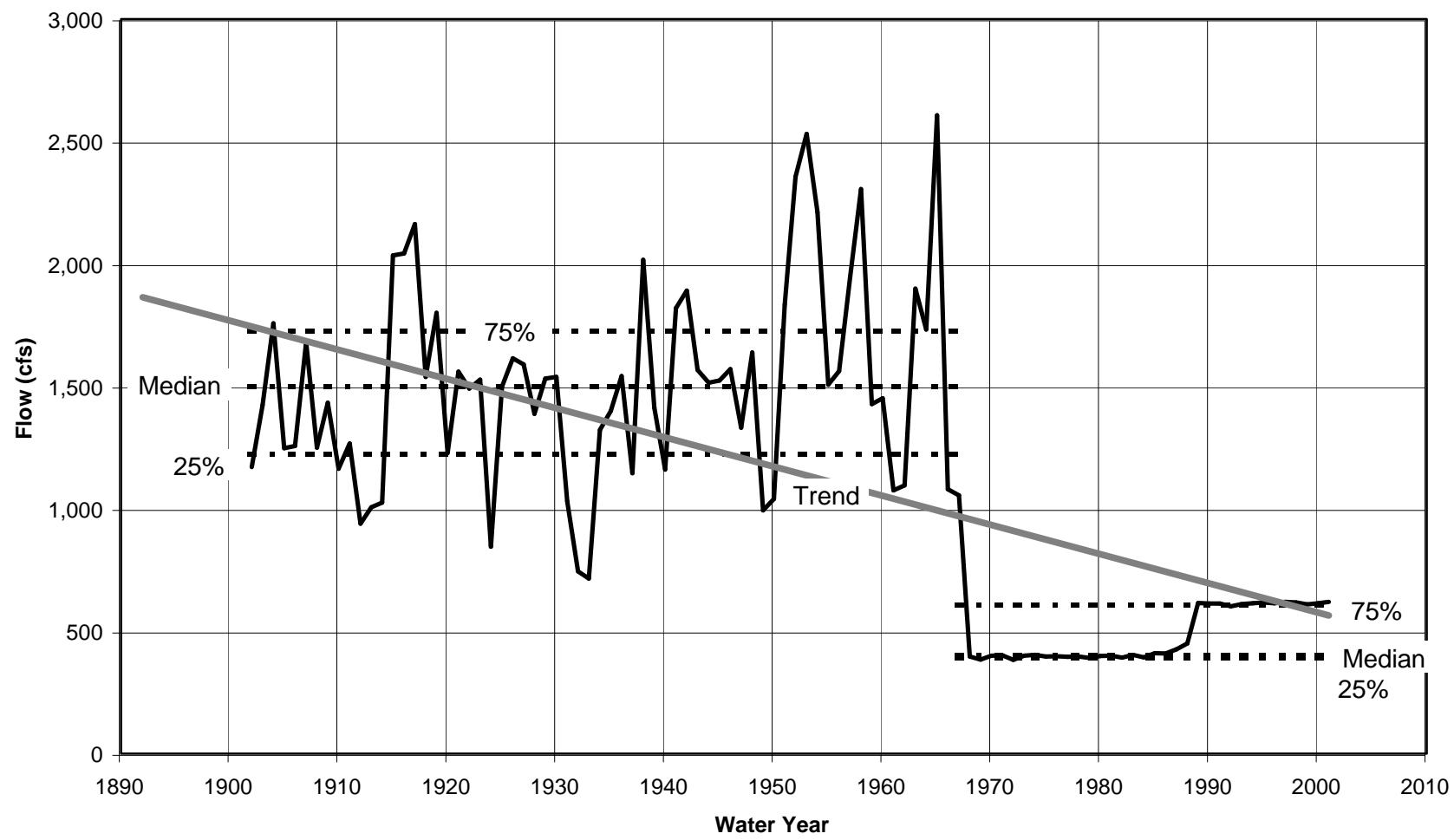
11407000 - Feather River at Oroville
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
3-Day Minimum



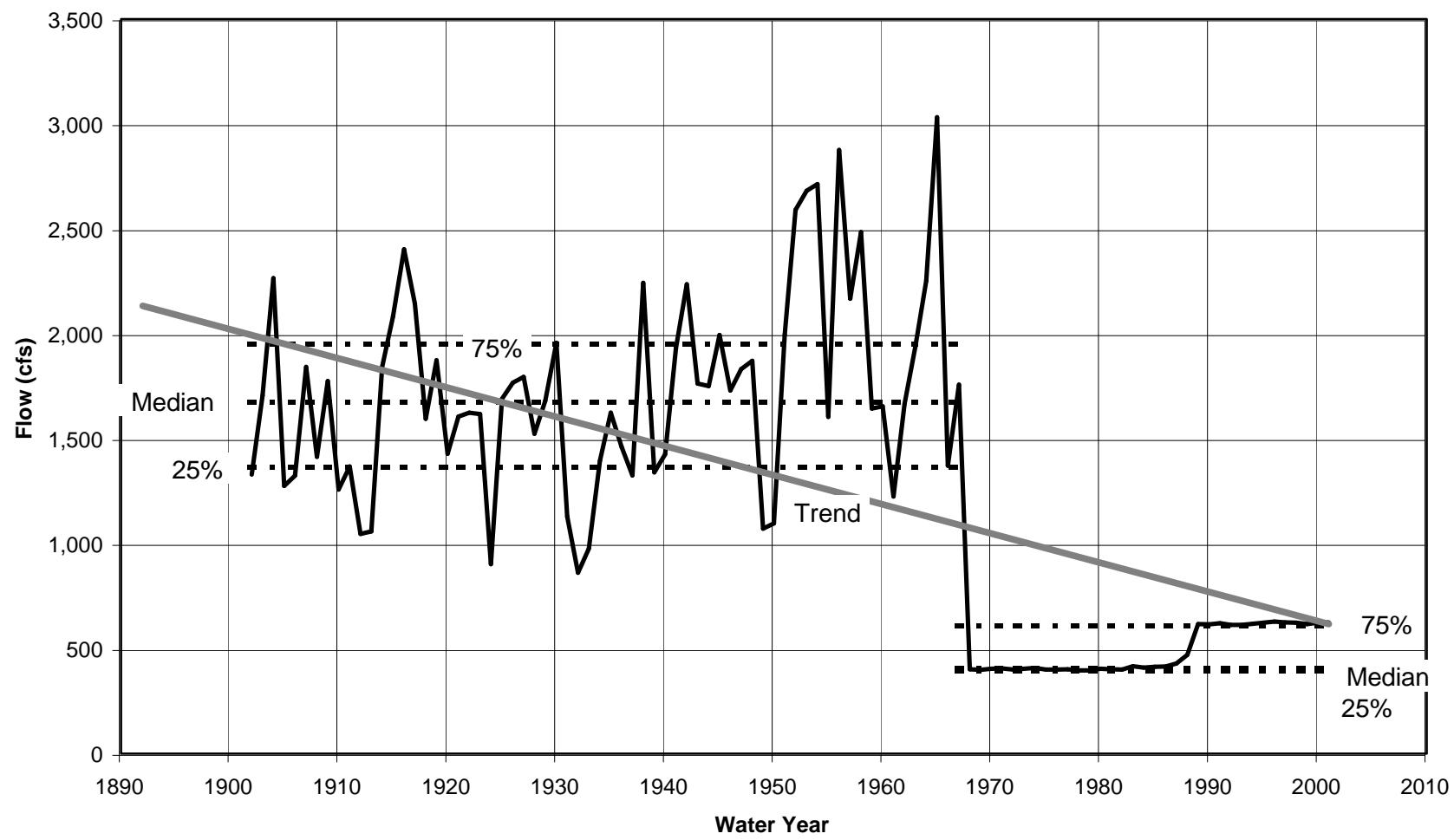
11407000 - Feather River at Oroville
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
7-Day Minimum



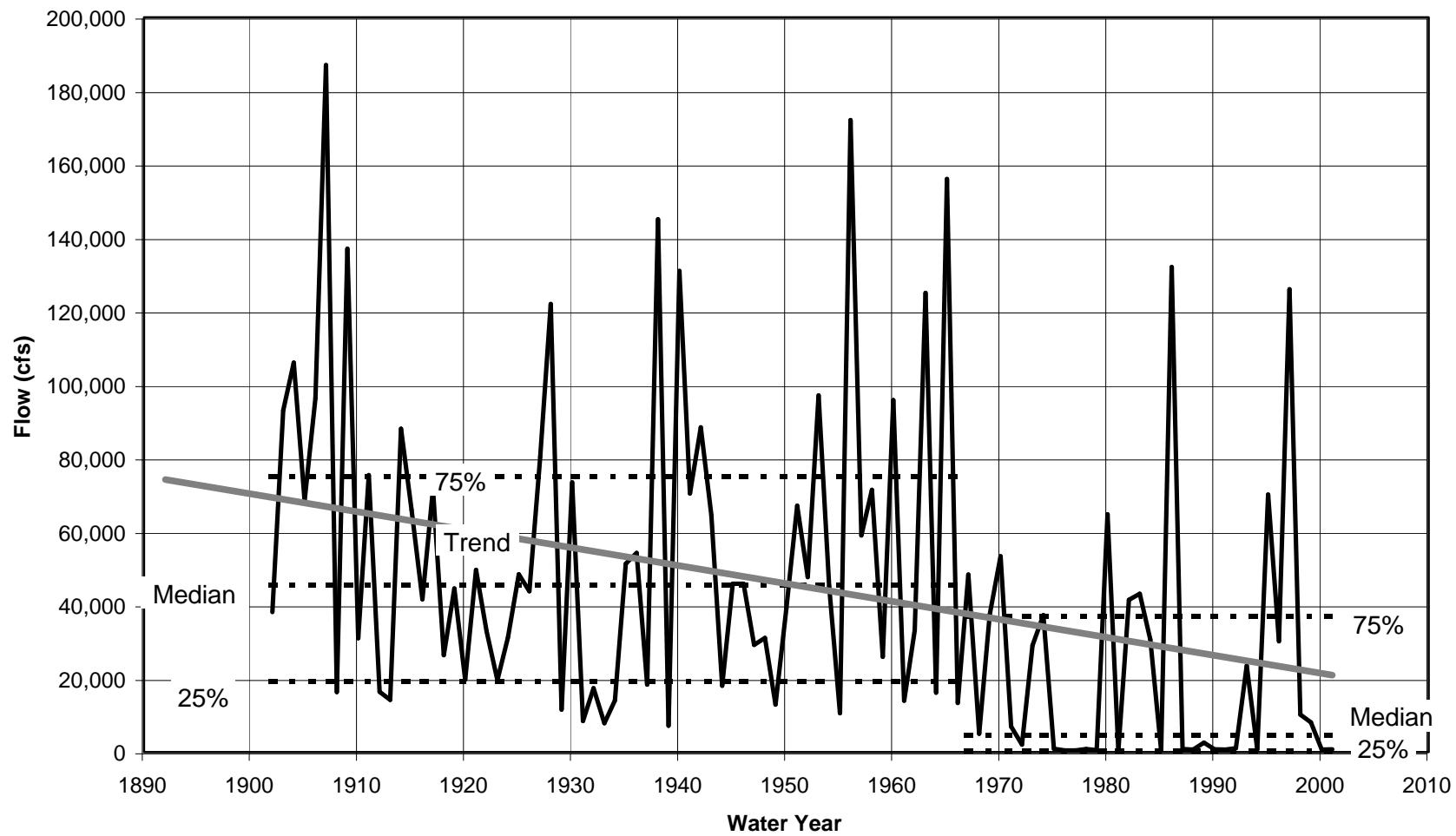
11407000 - Feather River at Oroville
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
30-Day Minimum



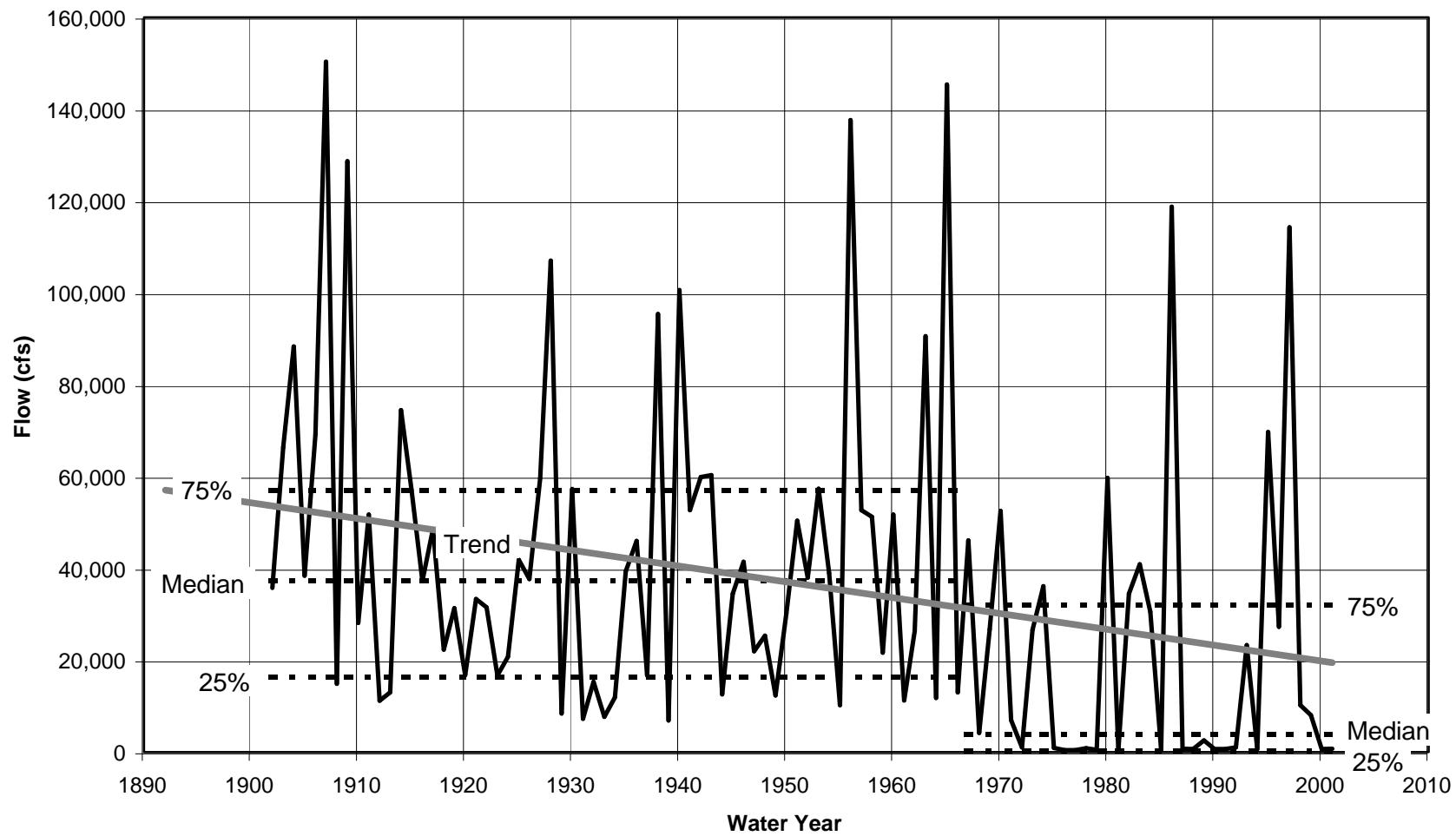
11407000 - Feather River at Oroville
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
90-Day Minimum



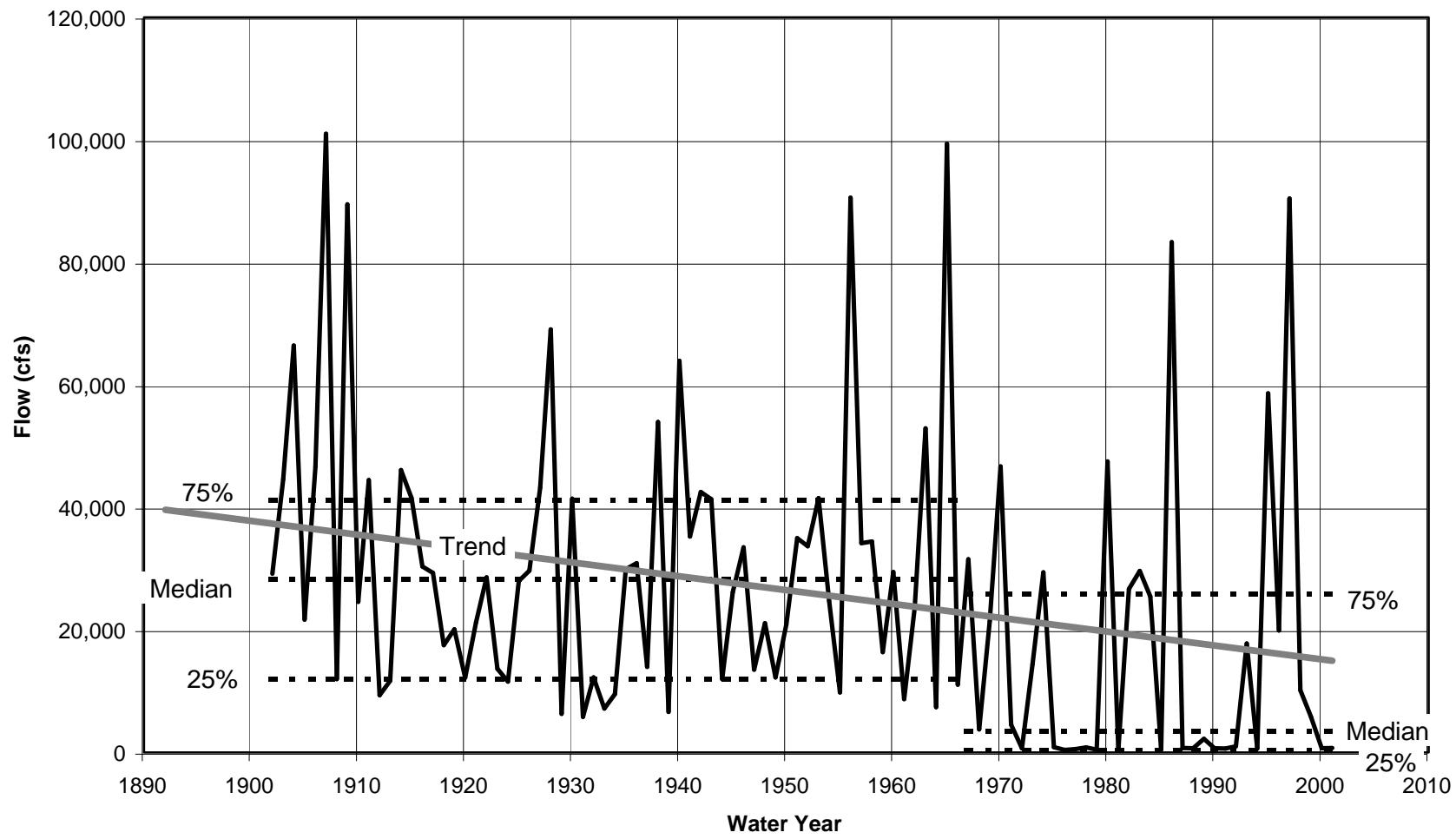
11407000 - Feather River at Oroville
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
1-Day Maximum



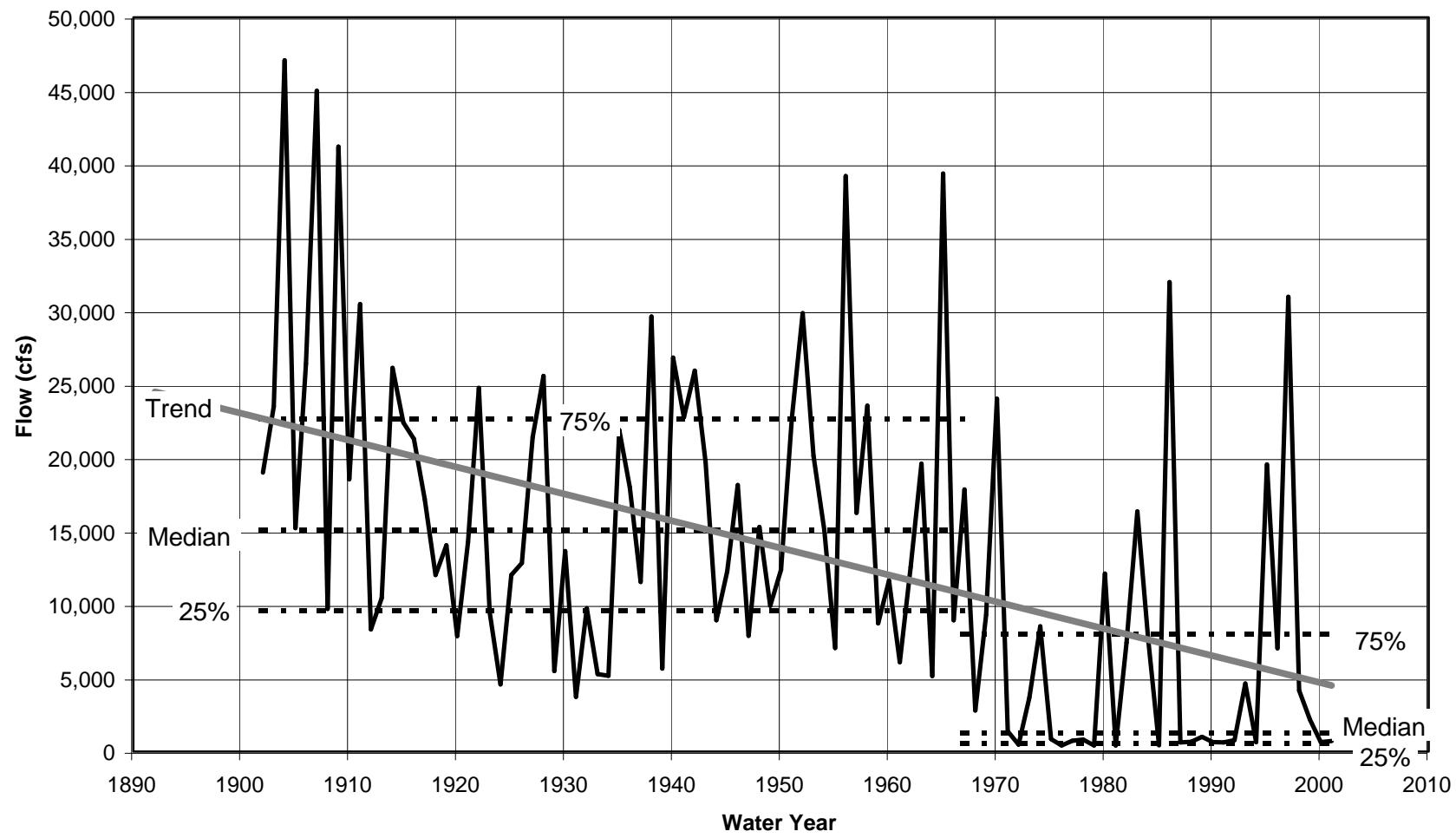
11407000 - Feather River at Oroville
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
3-Day Maximum



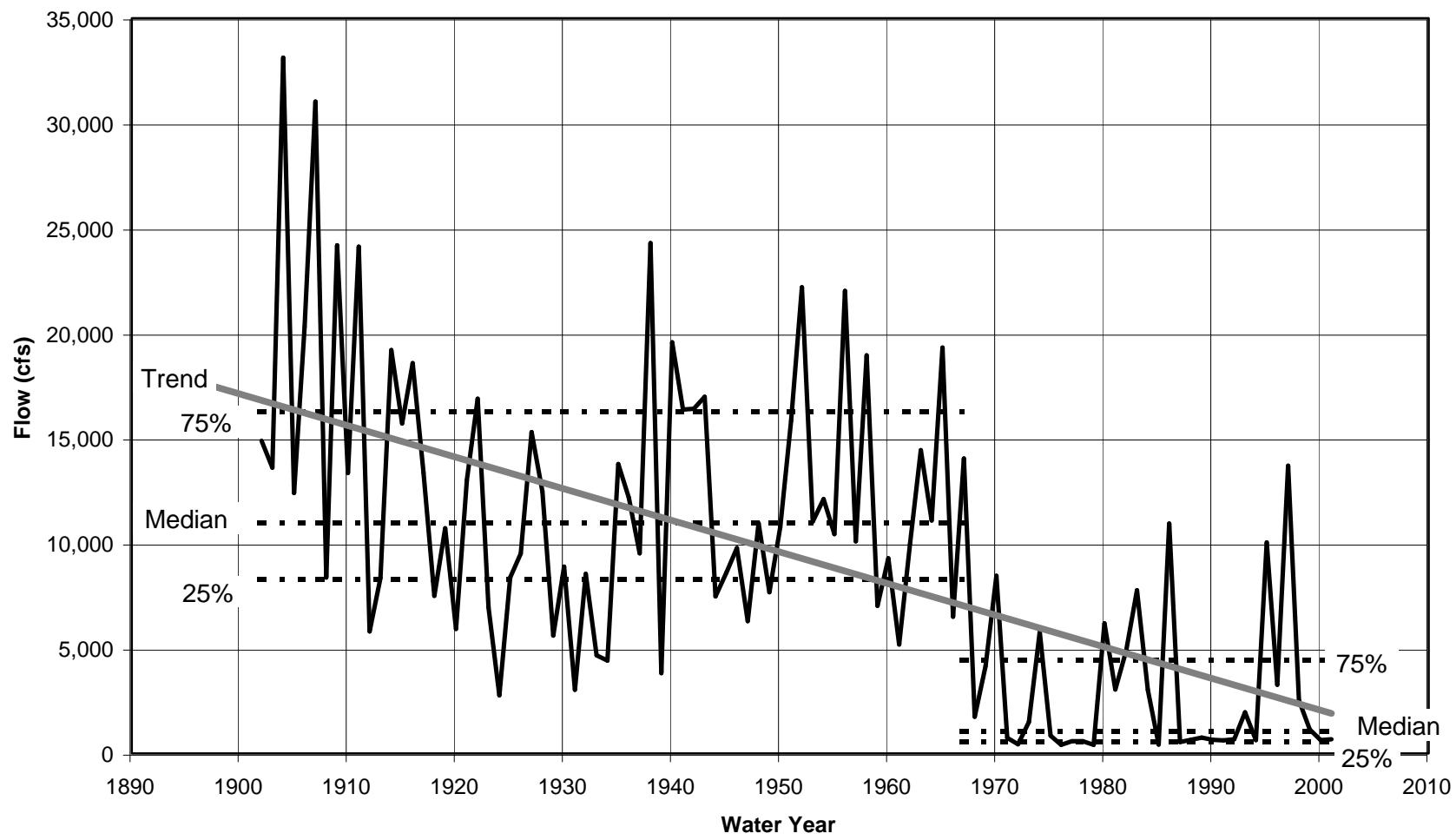
11407000 - Feather River at Oroville
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
7-Day Maximum



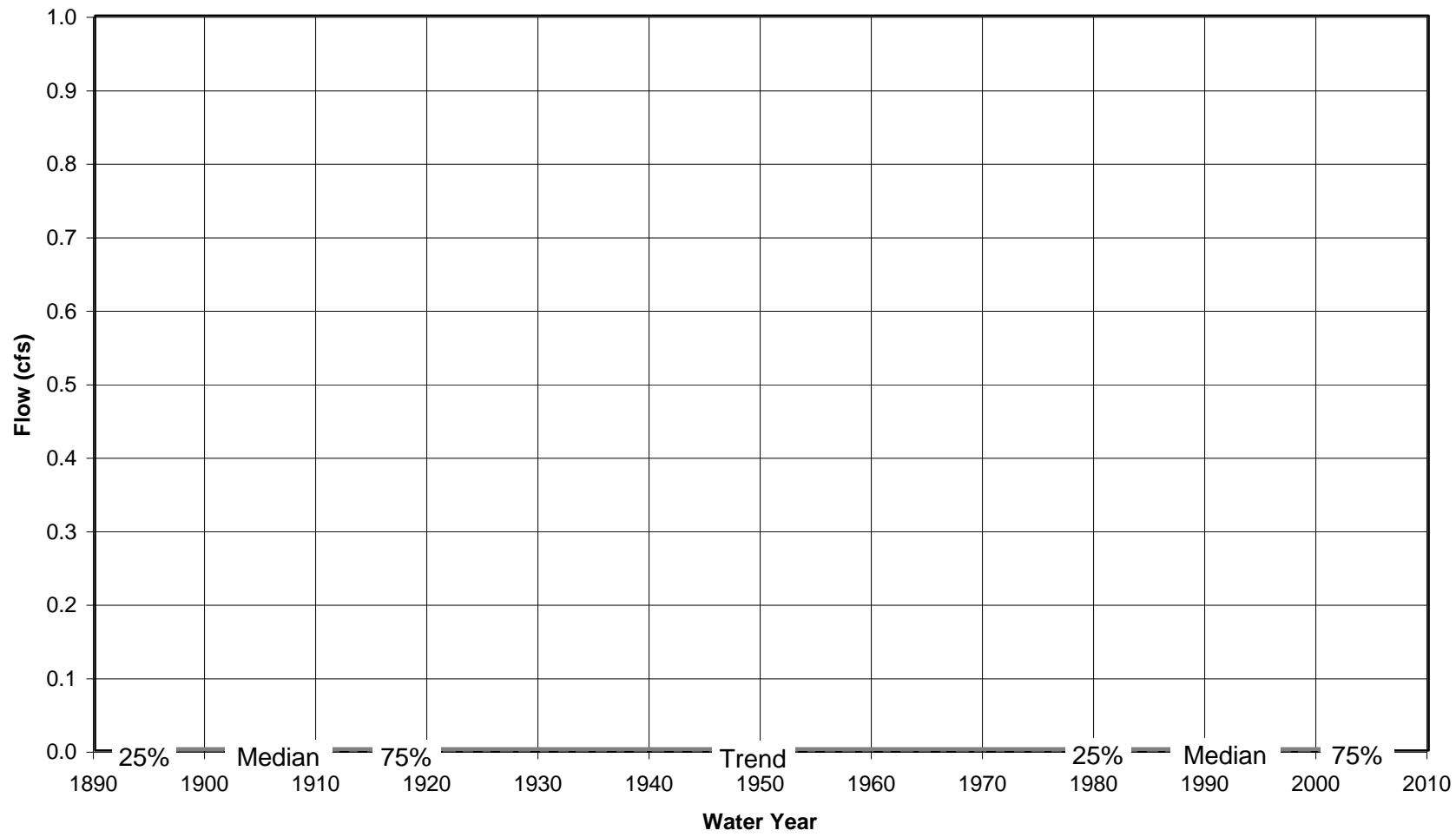
11407000 - Feather River at Oroville
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
30-Day Maximum



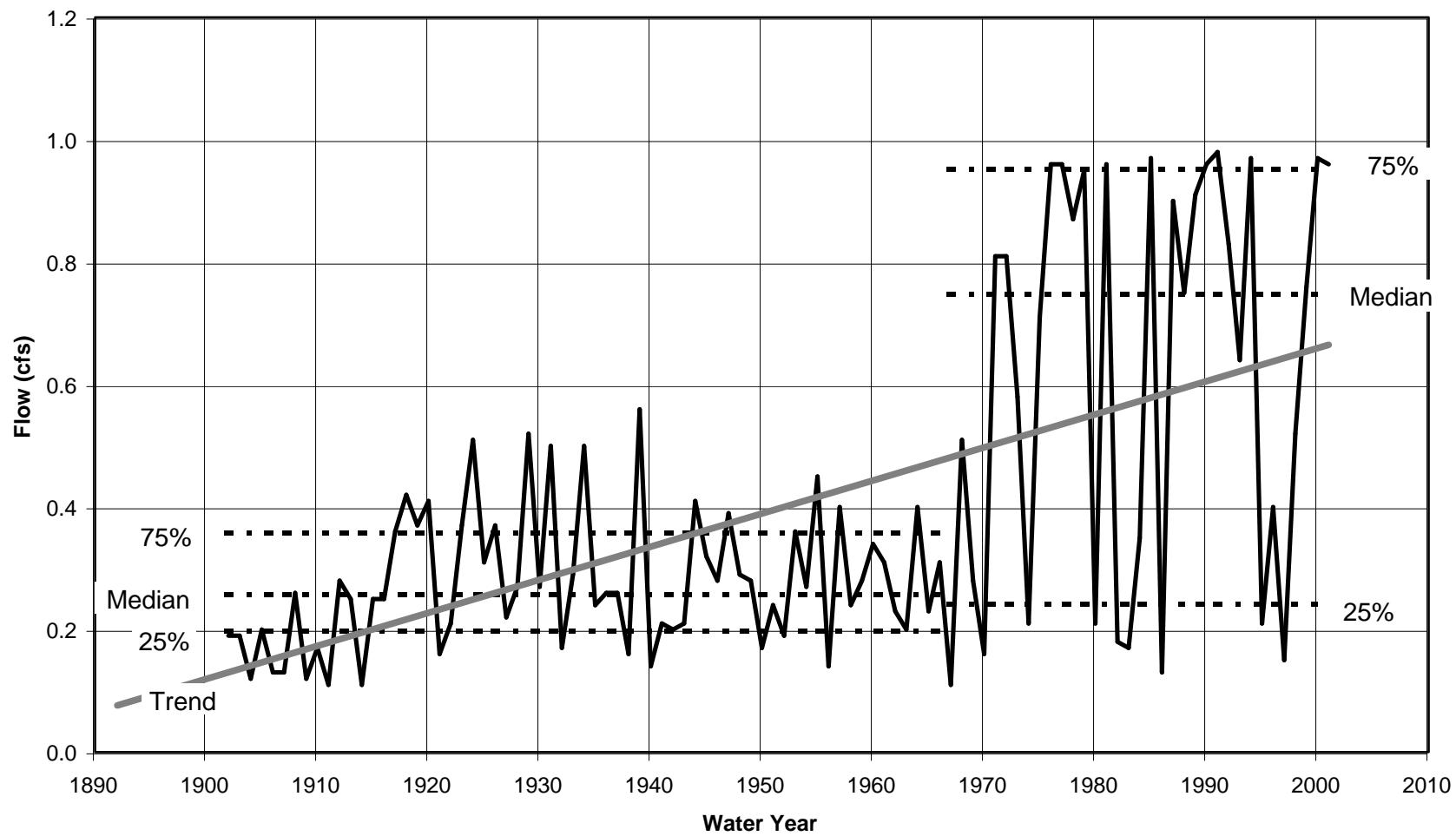
11407000 - Feather River at Oroville
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
90-Day Maximum



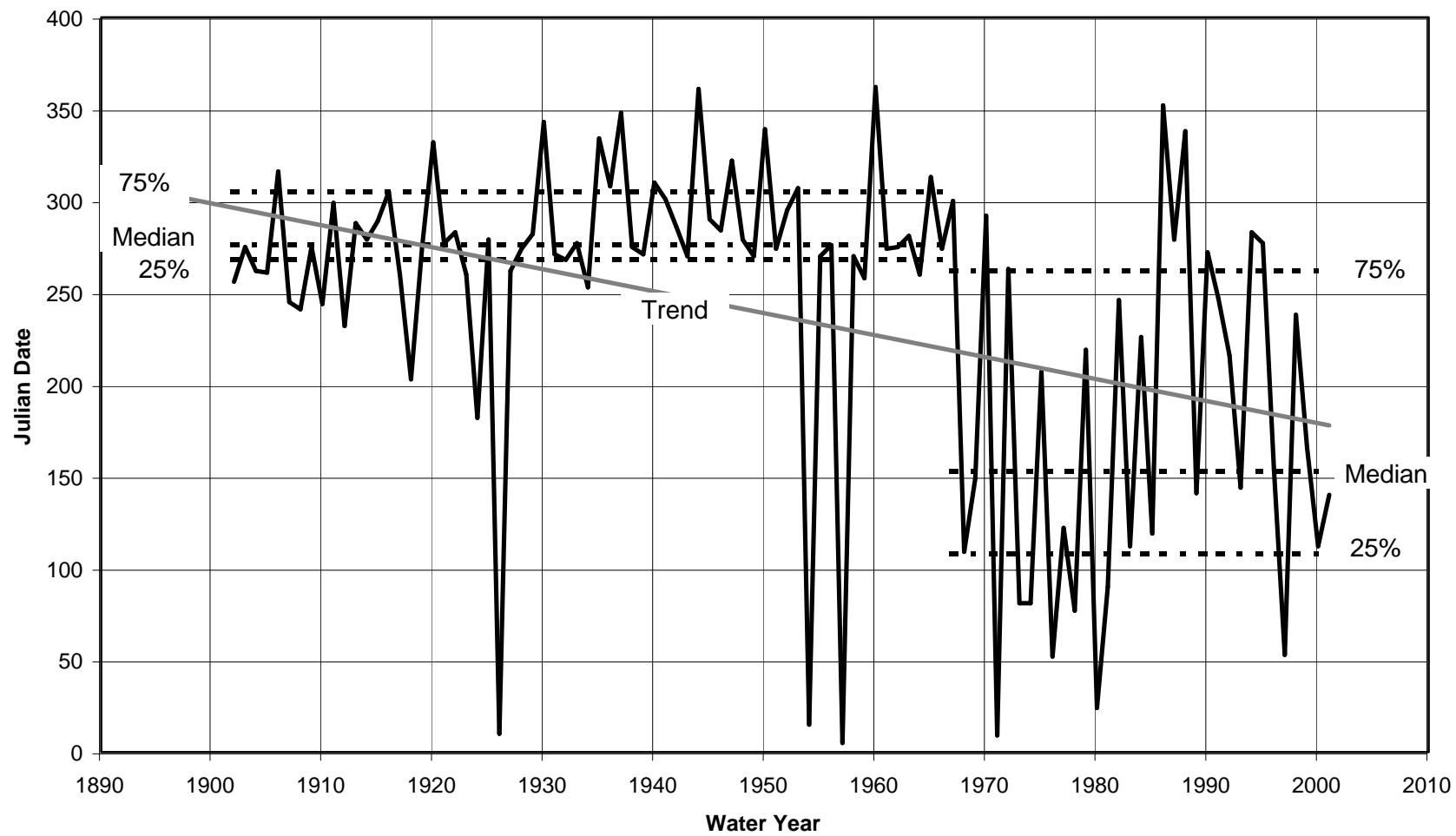
**11407000 - Feather River at Oroville
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
Zero Days**



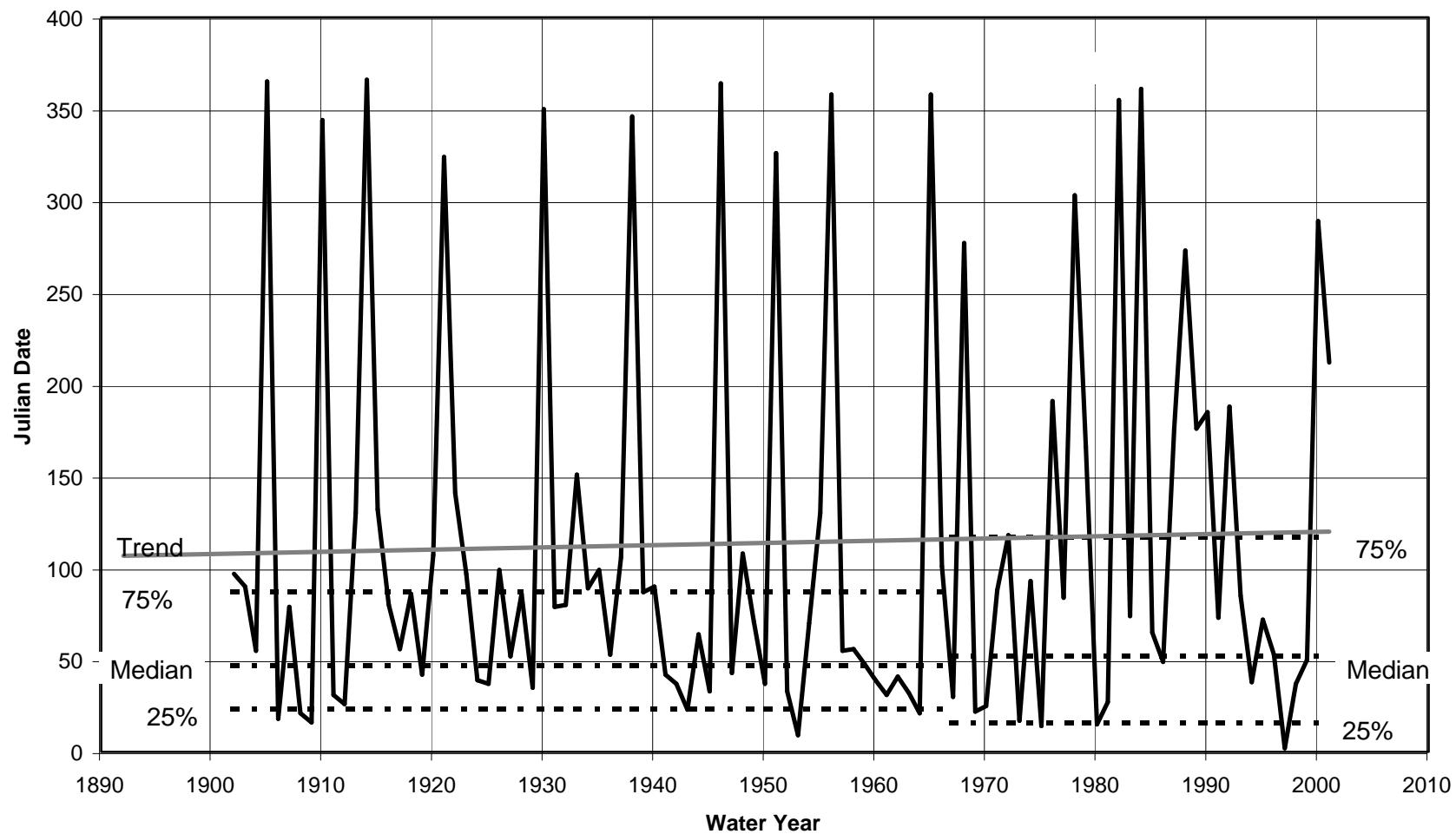
**11407000 - Feather River at Oroville
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
Base Flow**



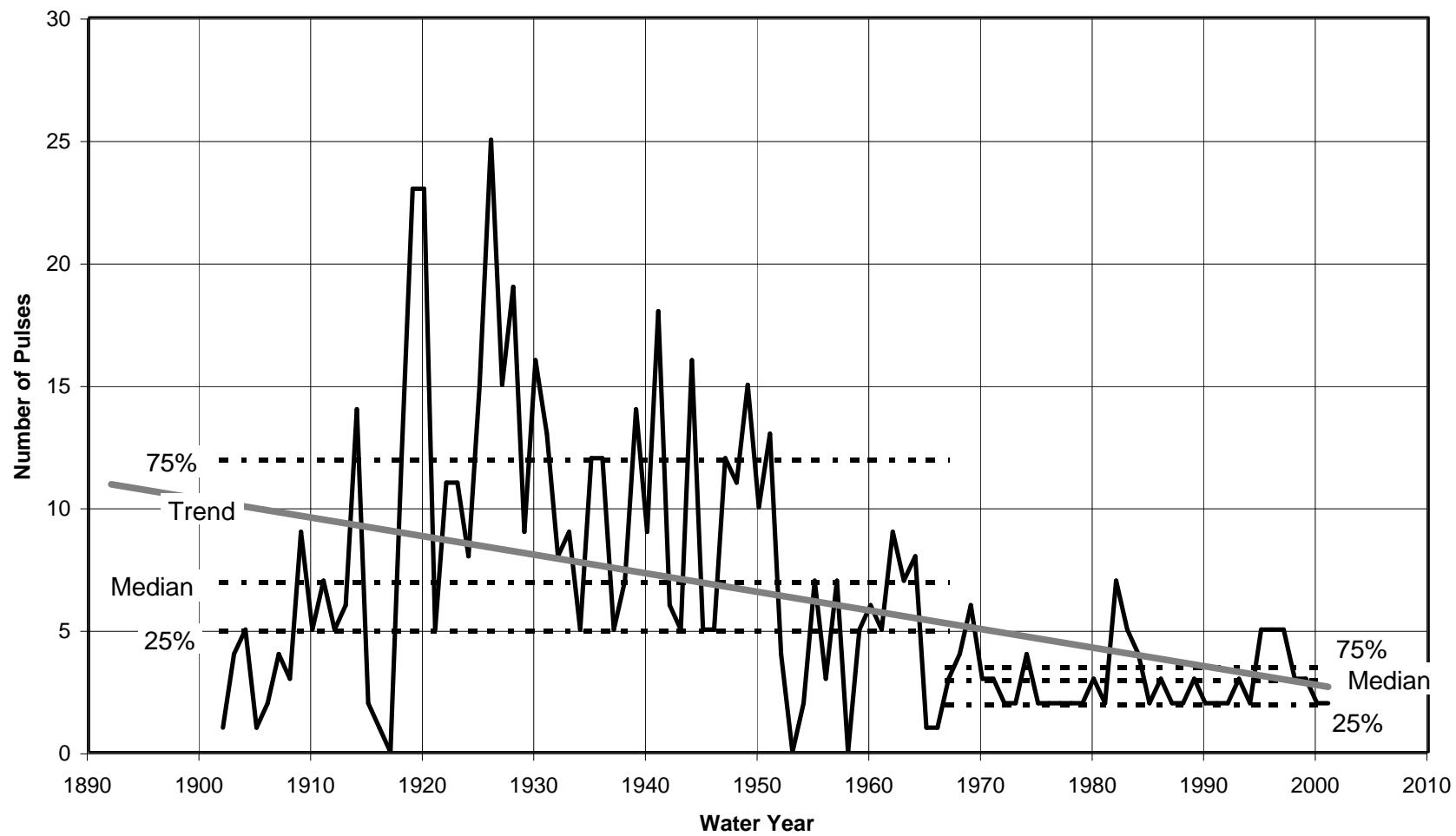
11407000 - Feather River at Oroville
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
Julian Date of Minimum



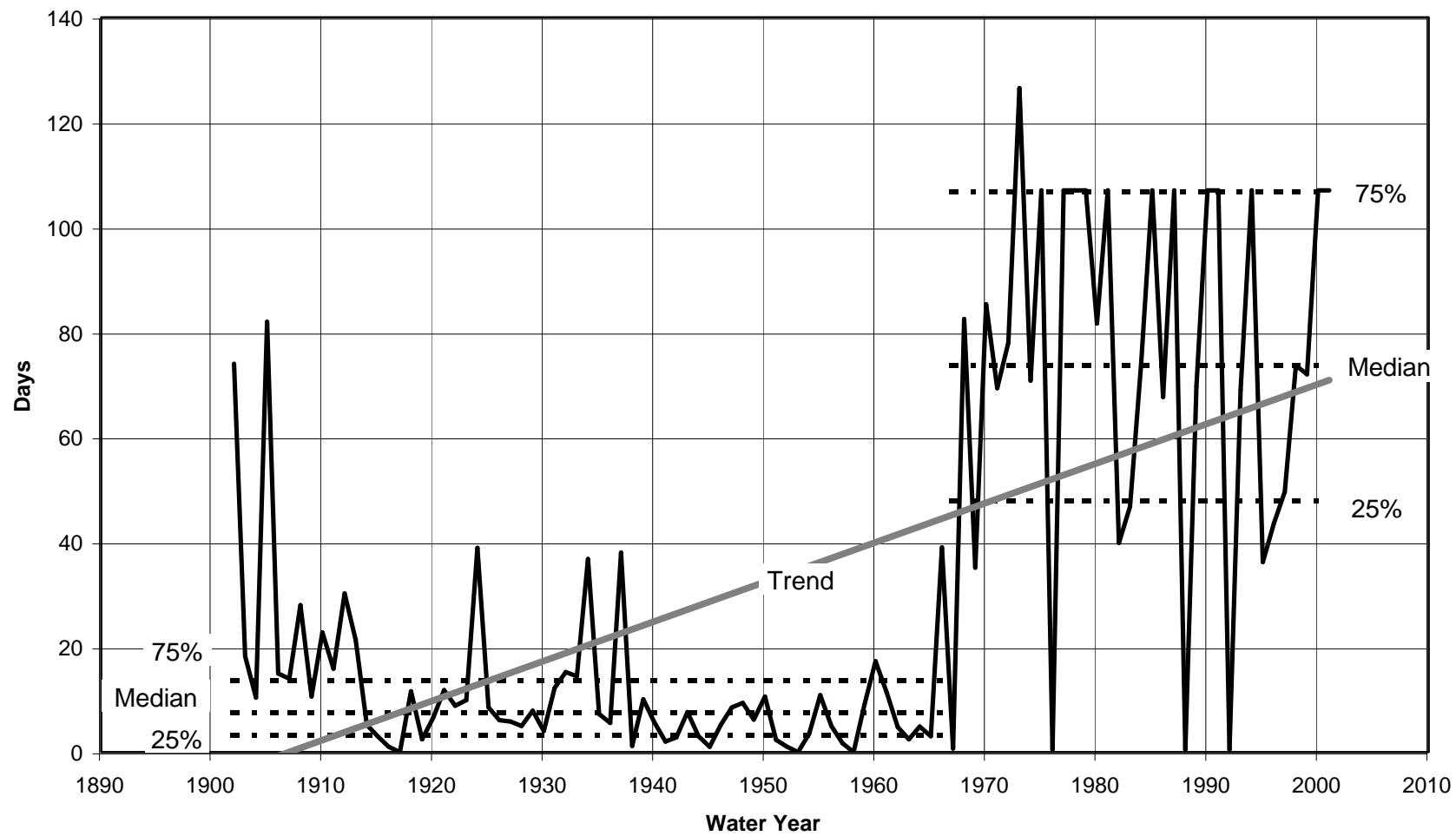
**11407000 - Feather River at Oroville
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
Julian Date of Maximum**



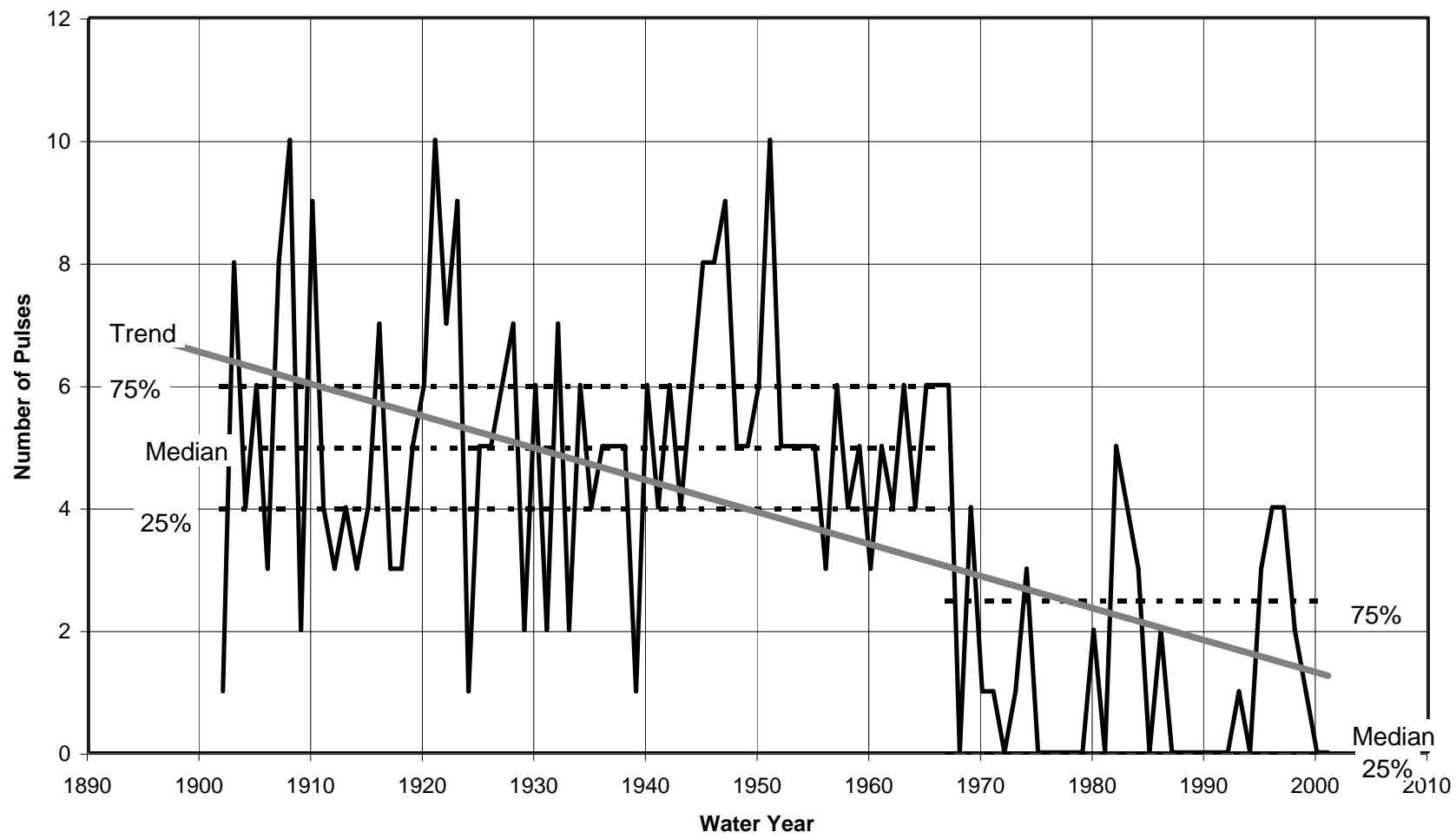
11407000 - Feather River at Oroville
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
Low Pulse Number



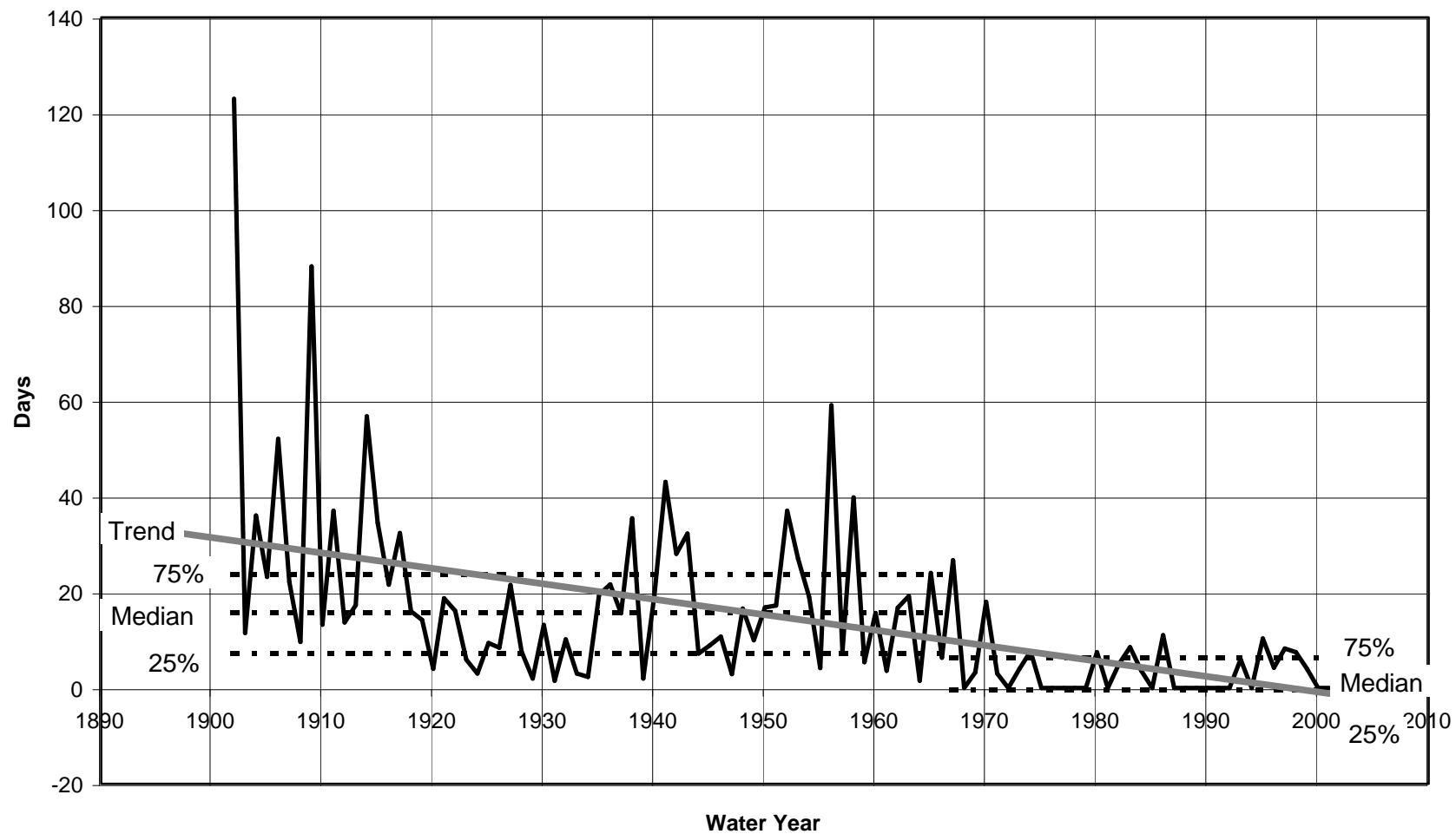
**11407000 - Feather River at Oroville
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
Low Pulse Length**



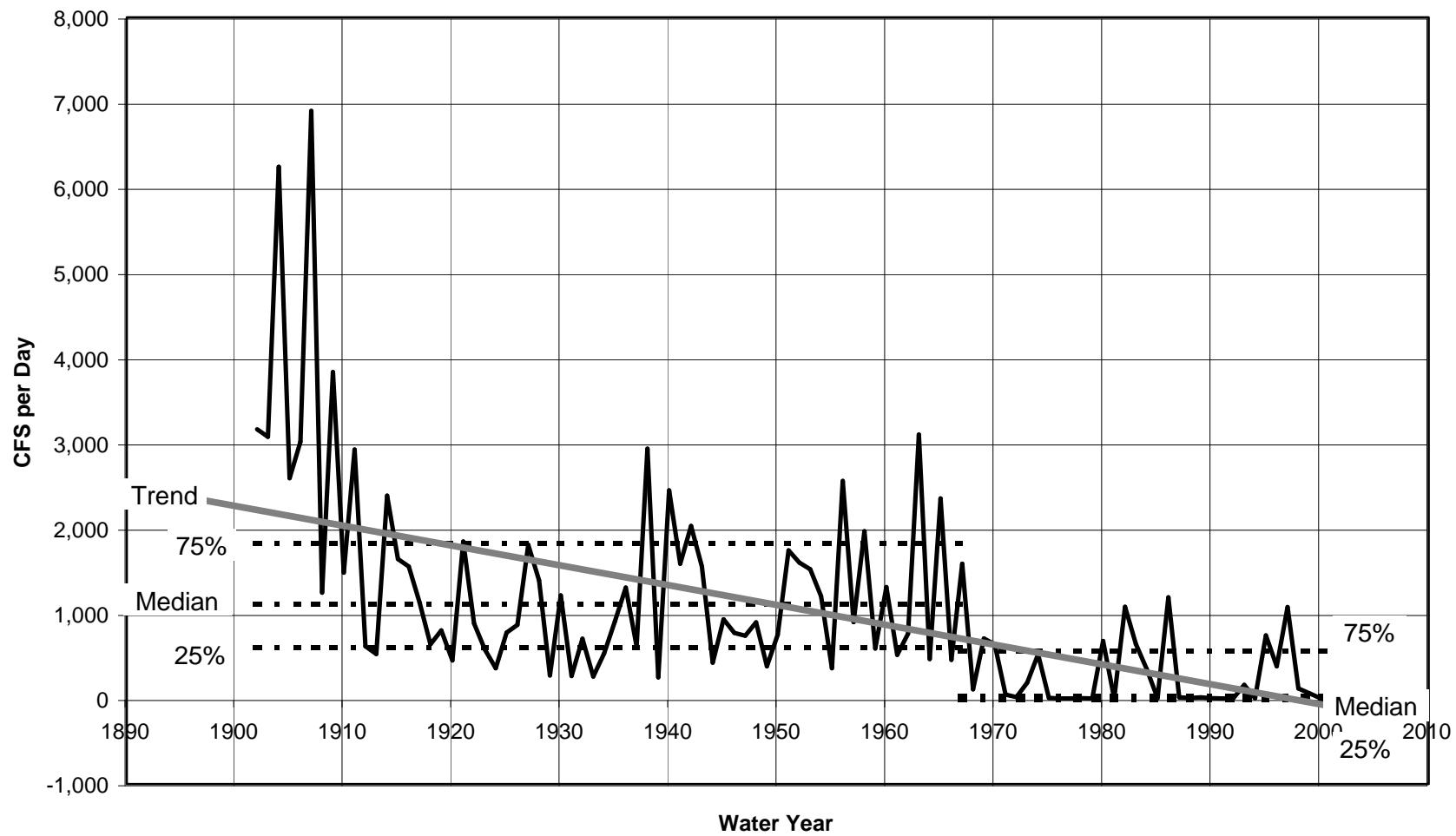
11407000 - Feather River at Oroville
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
High Pulse Number



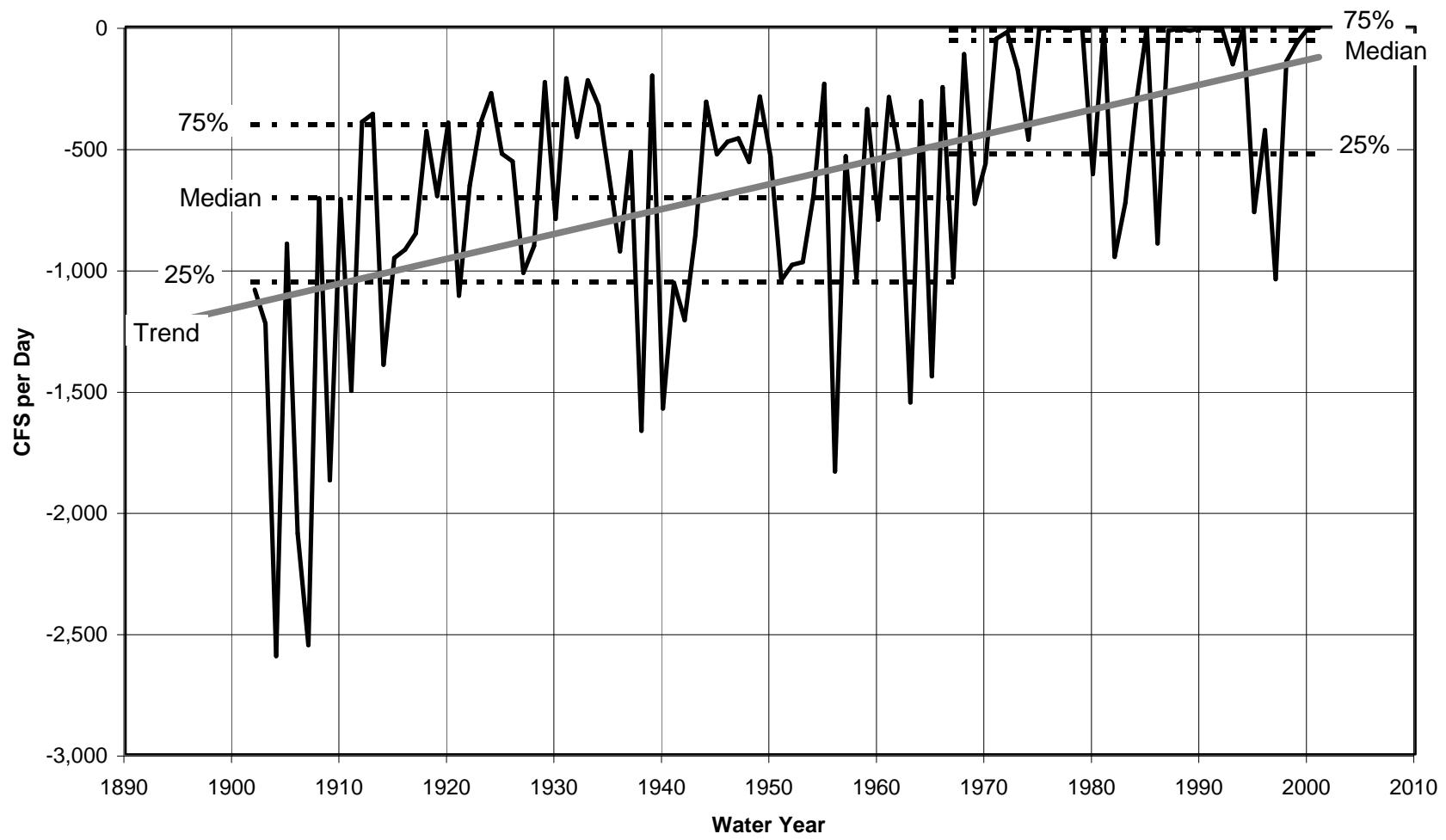
**11407000 - Feather River at Oroville
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
High Pulse Length**



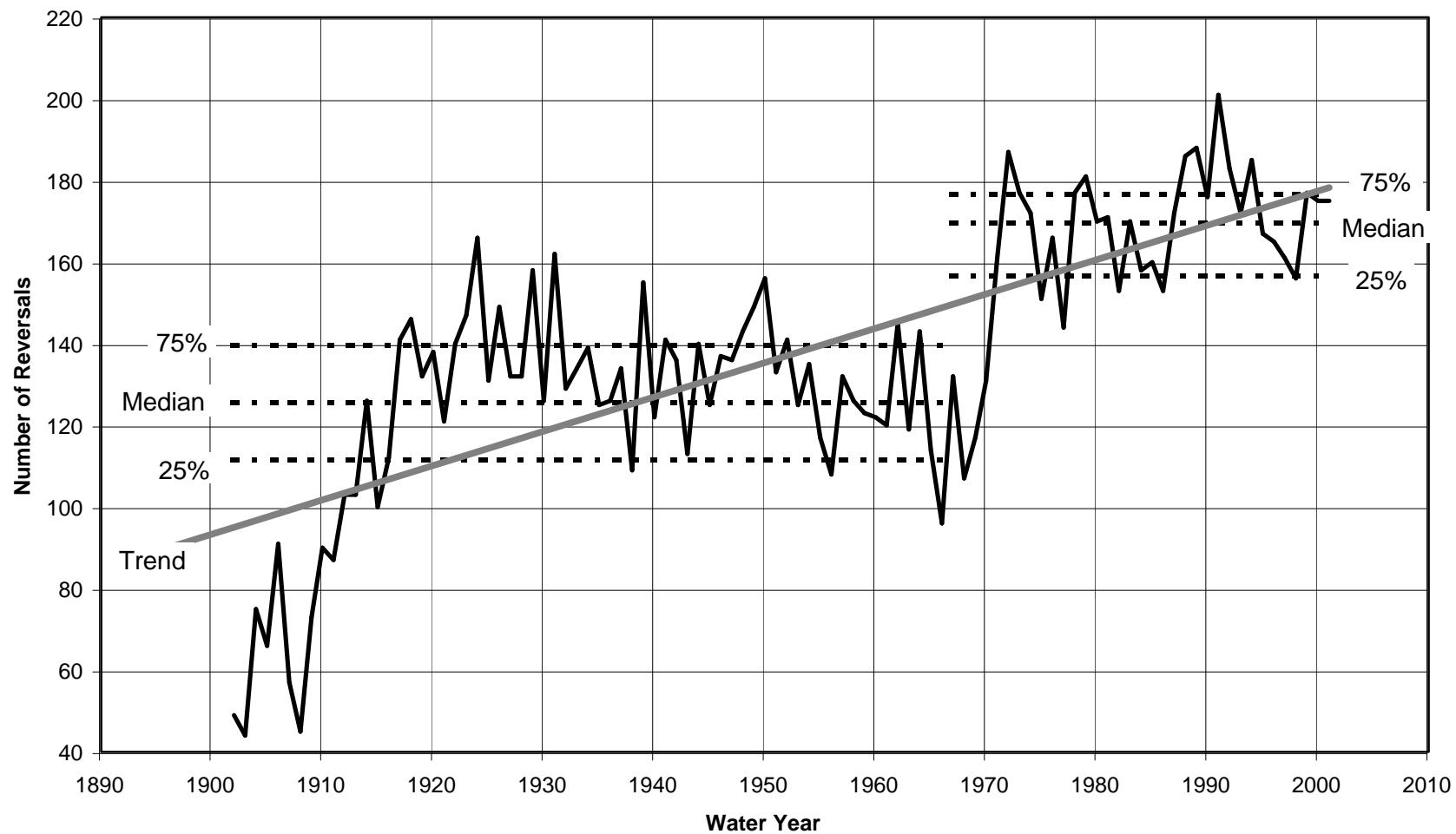
11407000 - Feather River at Oroville
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
Rise Rate



11407000 - Feather River at Oroville
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
Fall Rate



11407000 - Feather River at Oroville
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
Number of Reversals



IHA Non-Parametric RVA Scorecard

11407000 - Feather River

	Pre-impact period: 1902-1966				Post-impact period: 1967-2001				RVA TARGETS		HYDROLOGIC ALTERATION	
	Medians	Coeff. of Variance	Range Limits		Medians	Coeff. of Variance	Range Limits		Low	High		
			Low	High			Low	High				
Parameter Group # 1												
October	1831.3	0.4	744.7	12374.2	456.5	0.48	398.7	2749.7	1563.55	2295.16	-0.94	
November	2384.3	0.69	853.3	19713	620.1	0.7	396.6	3620.7	1745.67	3382.33	-0.89	
December	3362.6	1.15	1101.7	28405.5	623.6	0.68	392.4	7728.4	2173.71	6045.32	-1	
January	4482.3	1.52	1350	39861.9	624.4	1.19	401.4	26747.5	2410.48	9240.97	-0.83	
February	8528.6	1.21	1713.9	28026.6	624.2	4.16	399.2	25175.5	3751.07	14094.29	-0.61	
March	7284.8	1.01	1564.2	39761.3	627.5	0.82	404.4	18872.7	5258.87	12649.68	-0.89	
April	11139	0.74	2145.7	30096.7	614.7	0.36	401.1	9498.3	7600	15866.67	-0.94	
May	8271	0.91	1246.1	25151.6	423.1	0.52	387.4	16744.5	5590.32	13095.48	-0.94	
June	4082	0.99	924.3	15649.7	416.3	0.52	401.9	11334	2747.33	6779.67	-1	
July	2242.3	0.46	851.9	5998.7	423.9	0.51	403.6	4782.9	1918.23	2943.39	-1	
August	1912.9	0.29	956.1	3098.7	416.5	0.52	393.2	3264.8	1659.03	2222.26	-1	
September	1726.7	0.4	992	2858	421.9	0.53	388.7	2882.7	1413.5	2098.67	-1	
Parameter Group # 2												
1-day minimum	1200	0.34	577	2090	391	0.59	222	704	967.5	1370	-1	
3-day minimum	1256.7	0.34	594	2336.7	397.3	0.58	298.3	836.3	1069.17	1496.67	-1	
7-day minimum	1357.7	0.32	651.9	2454.3	401.9	0.55	336.9	895.9	1125	1555	-1	
30-day minimum	1506.3	0.36	714.7	2606.3	408.8	0.53	383.5	1054.8	1199	1744.33	-1	
90-day minimum	1680.9	0.36	861.8	3031.4	415.4	0.52	395.9	1758.4	1369.96	1976.11	-0.94	
1-day maximum	45800	1.28	7200	187000	4970	7.38	428	132000	19000	77850	-0.32	
3-day maximum	37666.7	1.08	6883.3	150333.3	4170	8.1	421.7	118766.7	16700	57300	-0.45	
7-day maximum	28600	1.02	5820	100971.4	3770	6.9	419.3	90414.3	12262.86	41514.29	-0.51	
30-day maximum	15216.7	0.89	3714.7	47070	1375	5.73	412.1	31966.8	9601.83	23133.33	-0.77	
90-day maximum	11039.1	0.76	2765.7	33126.7	1138.2	3.74	409.2	14043.7	8012.06	16390.11	-0.72	
Number of zero days	0	0	0	0	0	0	0	0	0	0	0	
Base flow	0.26	0.63	0.11	0.56	0.75	1	0.11	0.98	0.19	0.36	-0.72	
Parameter Group # 3												
Date of minimum	277	0.1	5	362	154	0.42	9	352	261.5	297	-0.66	
Date of maximum	48	0.17	9	366	53	0.28	2	361	38	107.5	-0.32	
Parameter Group # 4												
Low Pulse Count	7	1.07	0	25	3	0.67	2	7	4.5	12	-0.68	
Low Pulse Duration	7.9	1.39	0	82	74	0.81	0.5	126.5	3.25	14.22	-1	
High Pulse Count	5	0.4	1	10	0	0	0	6	4	6	-0.7	
High Pulse Duration	16.1	1.11	1.5	123	0	0	0	26.7	7.62	25.5	-0.66	
The low pulse threshold is	1900											
The high pulse level	6820											

Parameter Group # 5											
Rise rate	1128.6	1.15	253	6901.2	50.6	12.5	3.3	1585.4	605.22	1907.36	-0.49
Fall rate	-699.2	-0.94	-2595	-202.2	-49.7	-11.25	-1041.7	-3.2	-1050.53	-396.6	-0.38
Number of reversals	126	0.23	44	166	170	0.12	107	201	110.5	140	-0.84

Comparison of Statistics Above and Below RVA Range

	Within RVA Range			Above RVA Range			Below RVA Range			
	Expected	Observed	Alteration	Expected	Observed	Alteration	Expected	Observed	Alteration	
Parameter Group #1										
October	17.77	1	-0.94	8.62	1	-0.88	8.62	33	2.83	
November	17.77	2	-0.89	8.62	1	-0.88	8.62	32	2.71	
December	17.77	0	-1	8.62	4	-0.54	8.62	31	2.6	
January	17.77	3	-0.83	8.62	4	-0.54	8.62	28	2.25	
February	17.77	7	-0.61	8.62	1	-0.88	8.62	27	2.13	
March	17.77	2	-0.89	8.62	2	-0.77	8.62	31	2.6	
April	17.77	1	-0.94	8.62	0	-1	8.62	34	2.95	
May	17.77	1	-0.94	8.62	1	-0.88	8.62	33	2.83	
June	17.77	0	-1	8.62	1	-0.88	8.62	34	2.95	
July	17.77	0	-1	8.62	1	-0.88	8.62	34	2.95	
August	17.77	0	-1	8.62	1	-0.88	8.62	34	2.95	
September	17.77	0	-1	8.62	1	-0.88	8.62	34	2.95	
Parameter Group #2										
1-day minimum	17.77	0	-1	8.62	0	-1	8.62	35	3.06	
3-day minimum	17.77	0	-1	8.62	0	-1	8.62	35	3.06	
7-day minimum	17.77	0	-1	8.62	0	-1	8.62	35	3.06	
30-day minimum	17.77	0	-1	8.62	0	-1	8.62	35	3.06	
90-day minimum	17.77	1	-0.94	8.62	0	-1	8.62	34	2.95	
1-day maximum	17.77	12	-0.32	8.62	2	-0.77	8.62	21	1.44	
3-day maximum	18.31	10	-0.45	8.62	4	-0.54	8.08	21	1.6	
7-day maximum	18.31	9	-0.51	8.08	5	-0.38	8.62	21	1.44	
30-day maximum	17.77	4	-0.77	8.62	3	-0.65	8.62	28	2.25	
90-day maximum	17.77	5	-0.72	8.62	0	-1	8.62	30	2.48	
Number of zero days	35.00	35	0	0	0	0	0	0	0	
Base flow	17.77	5	-0.72	8.62	24	1.79	8.62	6	-0.3	
Parameter Group #3										
Date of minimum	17.77	6	-0.66	8.62	3	-0.65	8.62	26	2.02	
Date of maximum	17.77	12	-0.32	8.62	14	0.62	8.62	9	0.04	
Parameter Group #4										
Low Pulse Count	18.85	6	-0.68	7.54	0	-1.00	8.62	29	2.37	
Low Pulse Duration	17.77	0	-1.00	8.62	31	2.60	8.62	4	-0.54	
High Pulse Count	19.92	6	-0.70	7.54	0	-1.00	7.54	29	2.85	
High Pulse Duration	17.77	6	-0.66	8.62	1	-0.88	8.62	28	2.25	
Parameter Group #5										
Rise rate	17.77	9	-0.49	8.62	0	-1.00	8.62	26	2.02	
Fall rate	17.77	11	-0.38	8.62	24	1.79	8.62	0	-1.00	
Number of reversals	18.31	3	-0.84	8.08	31	2.84	8.62	1	-0.88	

**Table 6A – Alteration in Magnitude of Mean Monthly Flows
from Pre-Oroville to Post-Oroville Dam**

Hydrologic Parameters	Nicolaus Gage 11425000
Mean October flow	Small – Flows shifted into 75%-100% percentile range of pre-Oroville baseline
Mean November flow	Small – Flows shifted into 75%-100% percentile range of pre-Oroville baseline
Mean December flow	Small – Flows shifted into 50%-75% percentile range of pre-Oroville baseline
Mean January flow	Small – Flows shifted into 75%-100% percentile range of pre-Oroville baseline
Mean February flow	Small – Flows shifted into 25%-50% percentile range of pre-Oroville baseline
Mean March flow	Small – Flows shifted to slightly within 50%-75% percentile range of pre-Oroville baseline
Mean April flow	Small – Flows shifted into 0%-25% percentile range of pre-Oroville baseline
Mean May flow	Small – Flows shifted into 0%-25% percentile range of pre-Oroville baseline
Mean June flow	Small – Flows shifted into 50%-75% percentile range of pre-Oroville baseline
Mean July flow	Large – Flows shifted into 75%-100% percentile range of pre-Oroville baseline
Mean August flow	Large – Flows shifted into 75%-100% percentile range of pre-Oroville baseline
Mean September flow	Large – Flows shifted into 75%-100% percentile range of pre-Oroville baseline

Table 6B – Alteration in Magnitude and Duration of Annual Extreme Discharges from Pre-Oroville to Post-Oroville Dam

Hydrologic Parameters	Nicolaus Gage 11425000
Annual 1-day mean minimum flow	Large – Flows shifted into 75%-100% percentile range of pre-Oroville baseline
Annual 3-day mean minimum flow	Large – Flows shifted into 75%-100% percentile range of pre-Oroville baseline
Annual 7-day mean minimum flow	Large – Flows shifted into 75%-100% percentile range of pre-Oroville baseline
Annual 30-day mean minimum flow	Large – Flows shifted into 75%-100% percentile range of pre-Oroville baseline
Annual 90-day mean minimum flow	Large – Flows shifted into 75%-100% percentile range of pre-Oroville baseline
Annual 1-day mean maximum flow	Small – Flows shifted into 25%-50% percentile range of pre-Oroville baseline
Annual 3-day mean maximum flow	Small – Flows shifted into 25%-50% percentile range of pre-Oroville baseline
Annual 7-day mean maximum flow	Small – Flows shifted into 25%-50% percentile range of pre-Oroville baseline
Annual 30-day mean maximum flow	Small – Flows shifted into 25%-50% percentile range of pre-Oroville baseline
Annual 90-day mean maximum flow	Small – Flows shifted into 25%-50% percentile range of pre-Oroville baseline
Number of zero days	No change
Base flow (7-day minimum over mean annual flow)	Moderate – Flows shifted into 75% -100% percentile range of pre-Oroville baseline

**Table 6C – Alteration in Timing of Minimums, Maximums
from Pre-Oroville to Post-Oroville Dam**

Hydrologic Parameters	Nicolaus Gage 11425000
Julian date of each annual 1-day minimum	Large – Dates shifted into 0%-25% percentile range of pre-Oroville baseline
Julian date of each annual 1-day maximum	Small – Dates shifted slightly below median of pre-Oroville baseline

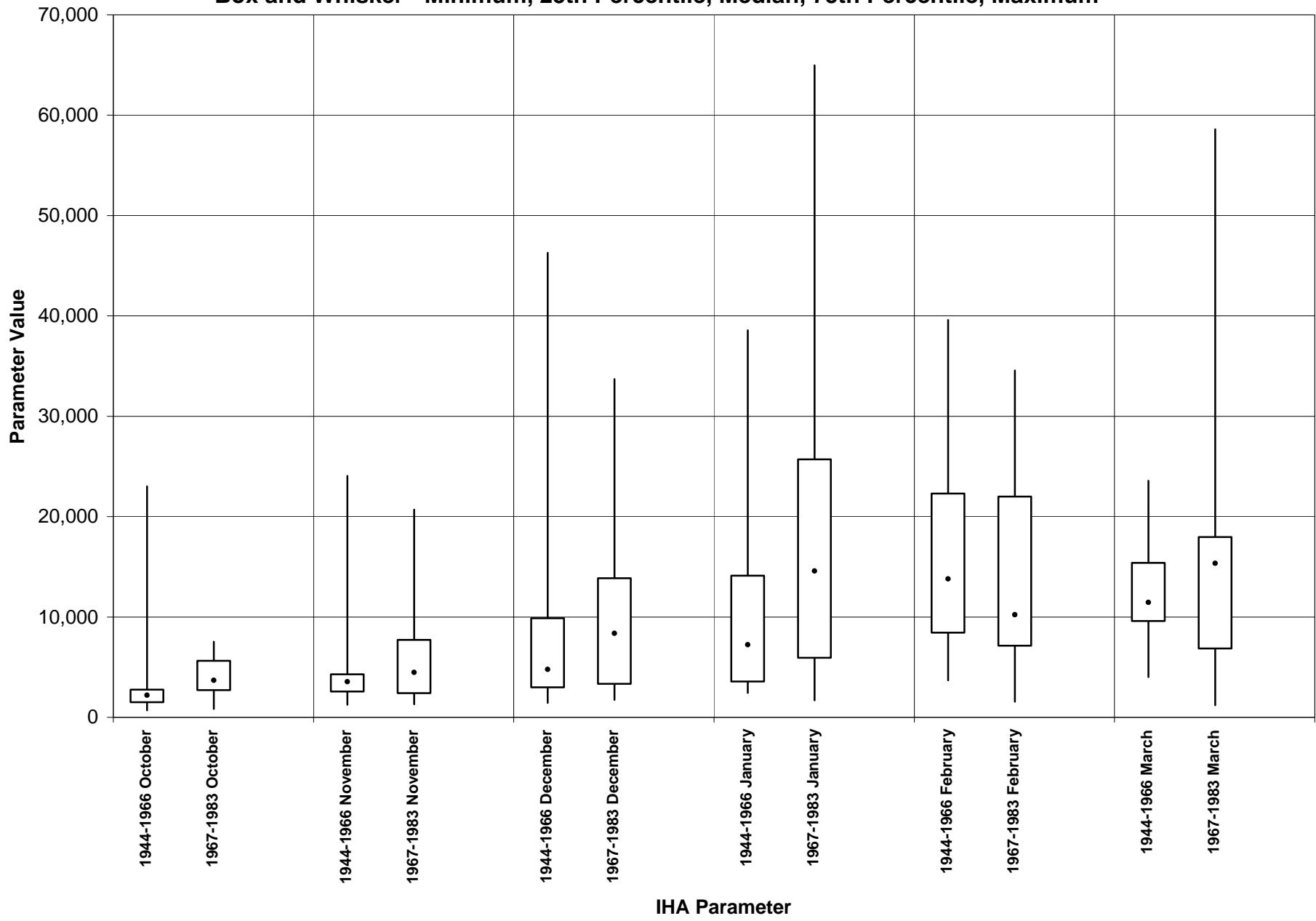
**Table 6D – Alteration in Frequency and Duration of High and Small Pulses
from Pre-Oroville to Post-Oroville Dam**

Hydrologic Parameters	Nicolaus Gage 11425000
Number of low pulses (below 25 th percentile) each year	Moderate – Pulses shifted into 0%-25% percentile range of pre-Oroville baseline
Mean duration of low pulses within each year (days)	Large – Durations shifted into 0%-25% percentile range of pre-Oroville baseline
Number of high pulses (above 75 th percentile) each year	Small – Pulses shifted into 25%-50% percentile range of pre-Oroville baseline
Mean duration of high pulses within each year (days)	Small – Durations shifted into 50%-75% percentile range of pre-Oroville baseline

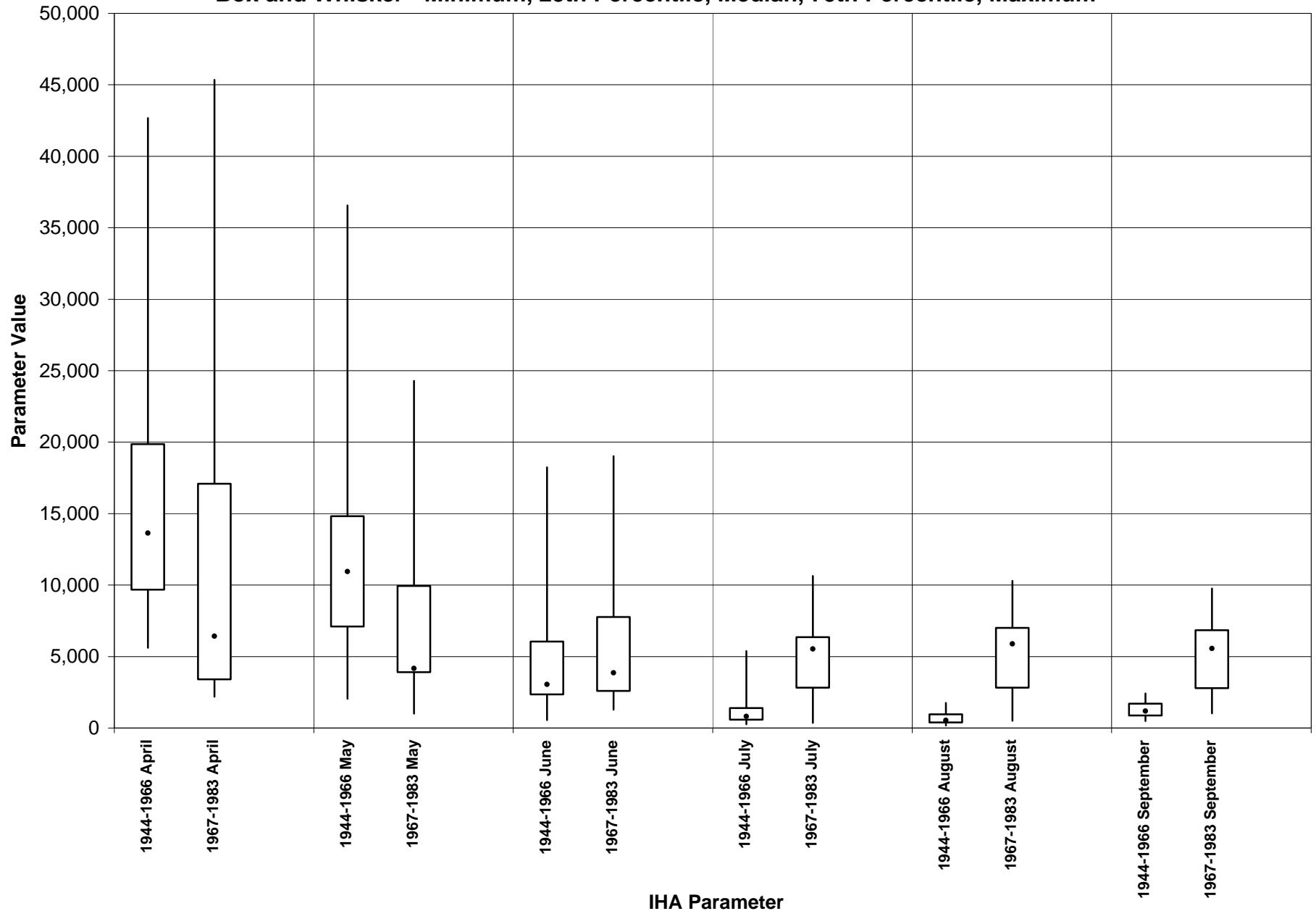
**Table 6E – Alteration in Rate and Frequency of Hydrograph Changes
from Pre-Oroville to Post-Oroville Dam**

Hydrologic Parameters	Nicolaus Gage 11425000
Means of all positive differences between consecutive daily values (rise rate)	Small – Rates shifted into 25%-50% percentile range of pre-Oroville baseline
Means of all negative differences between consecutive daily values (fall rate)	Small – Rates shifted into 50%-75% percentile range of pre-Oroville baseline
Number of reversals	Small – Reversals shifted into 25%-50% percentile range of pre-Oroville baseline

11425000 - Feather River near Nicolaus
IHA NonParametric Analysis - Oroville Dam Impact Year
Box and Whisker - Minimum, 25th Percentile, Median, 75th Percentile, Maximum

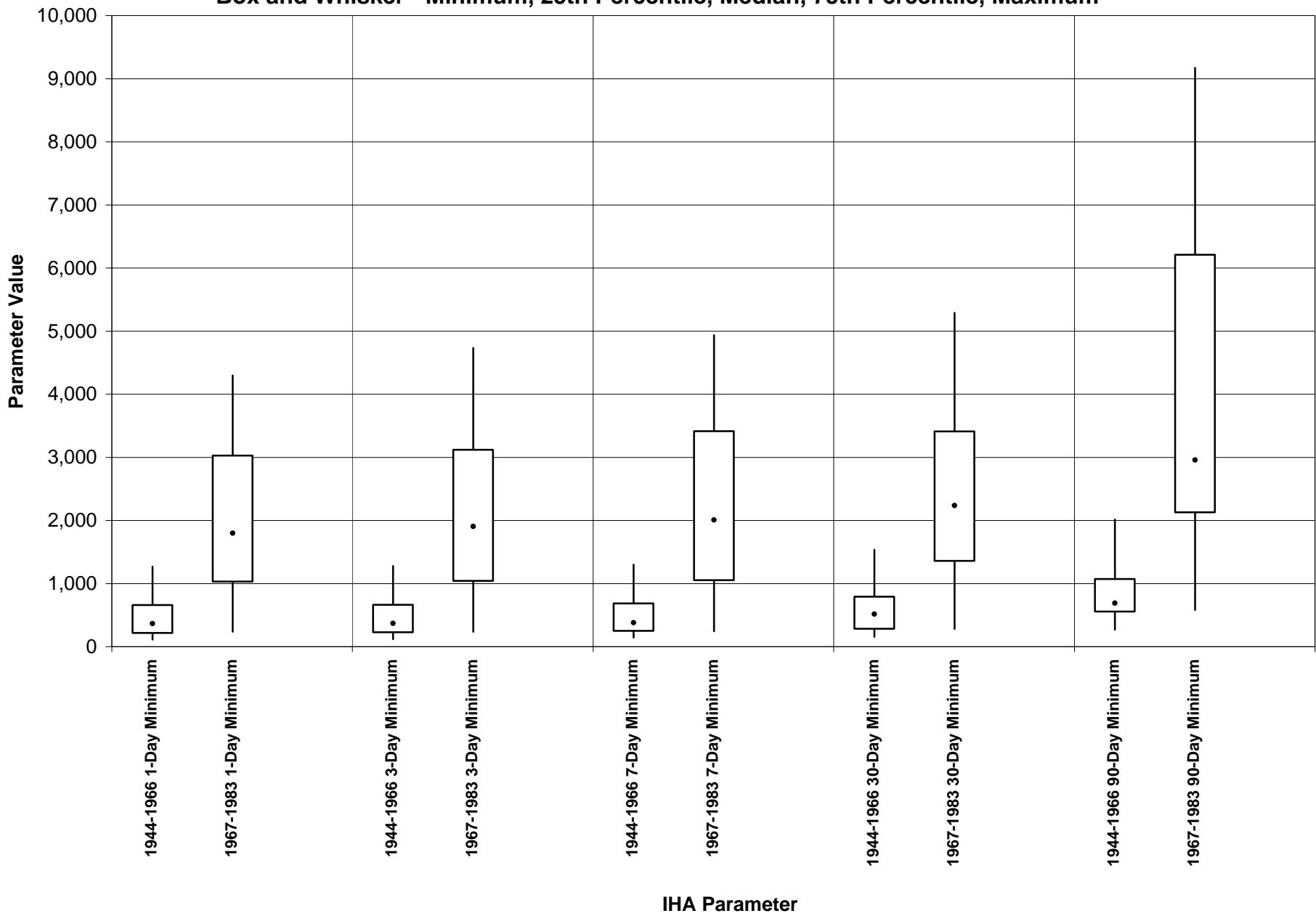


11425000 - Feather River near Nicolaus
IHA NonParametric Analysis - Oroville Dam Impact Year
Box and Whisker - Minimum, 25th Percentile, Median, 75th Percentile, Maximum

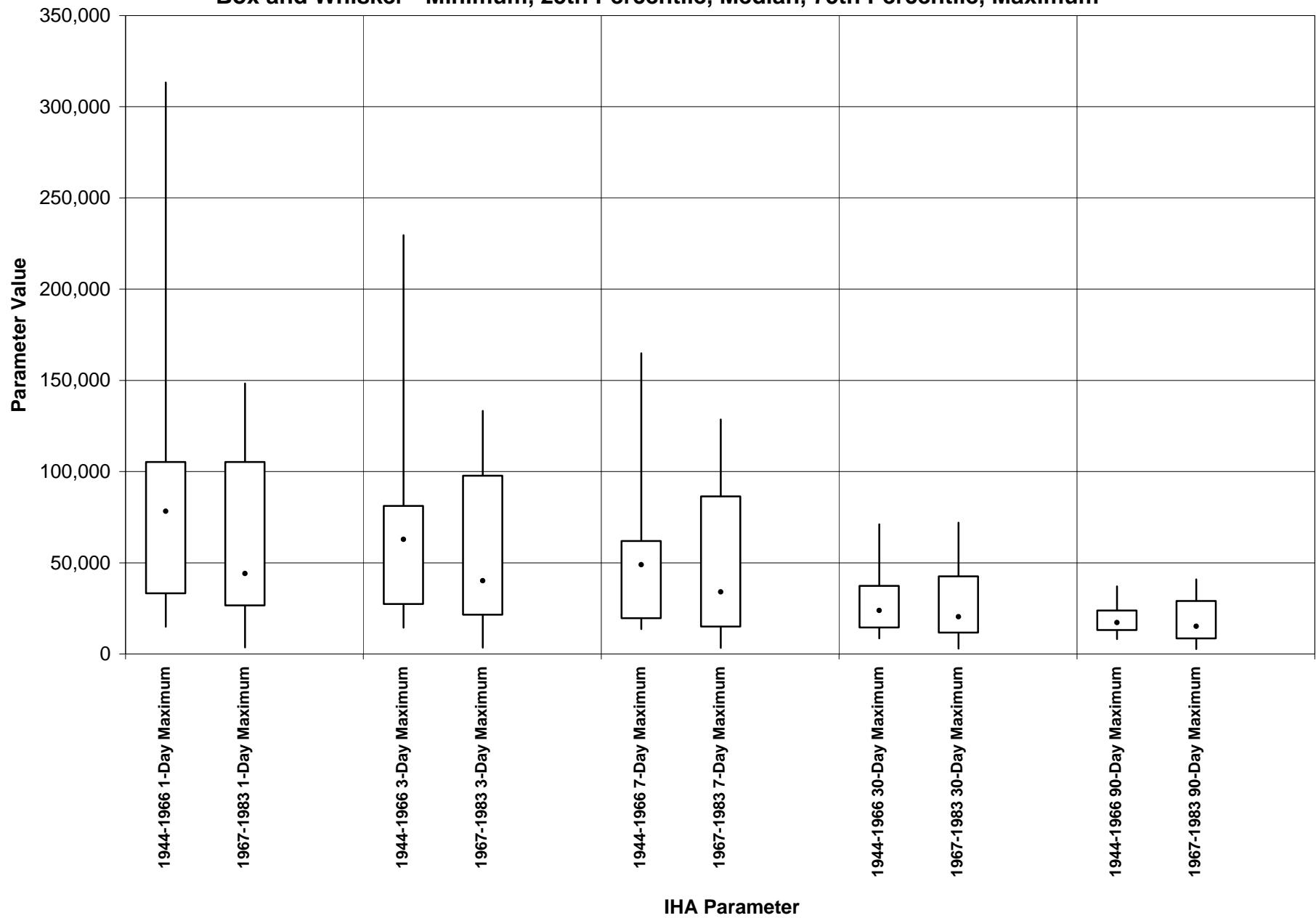


11425000 - Feather River near Nicolaus
IHA NonParametric Analysis - Oroville Dam Impact Year

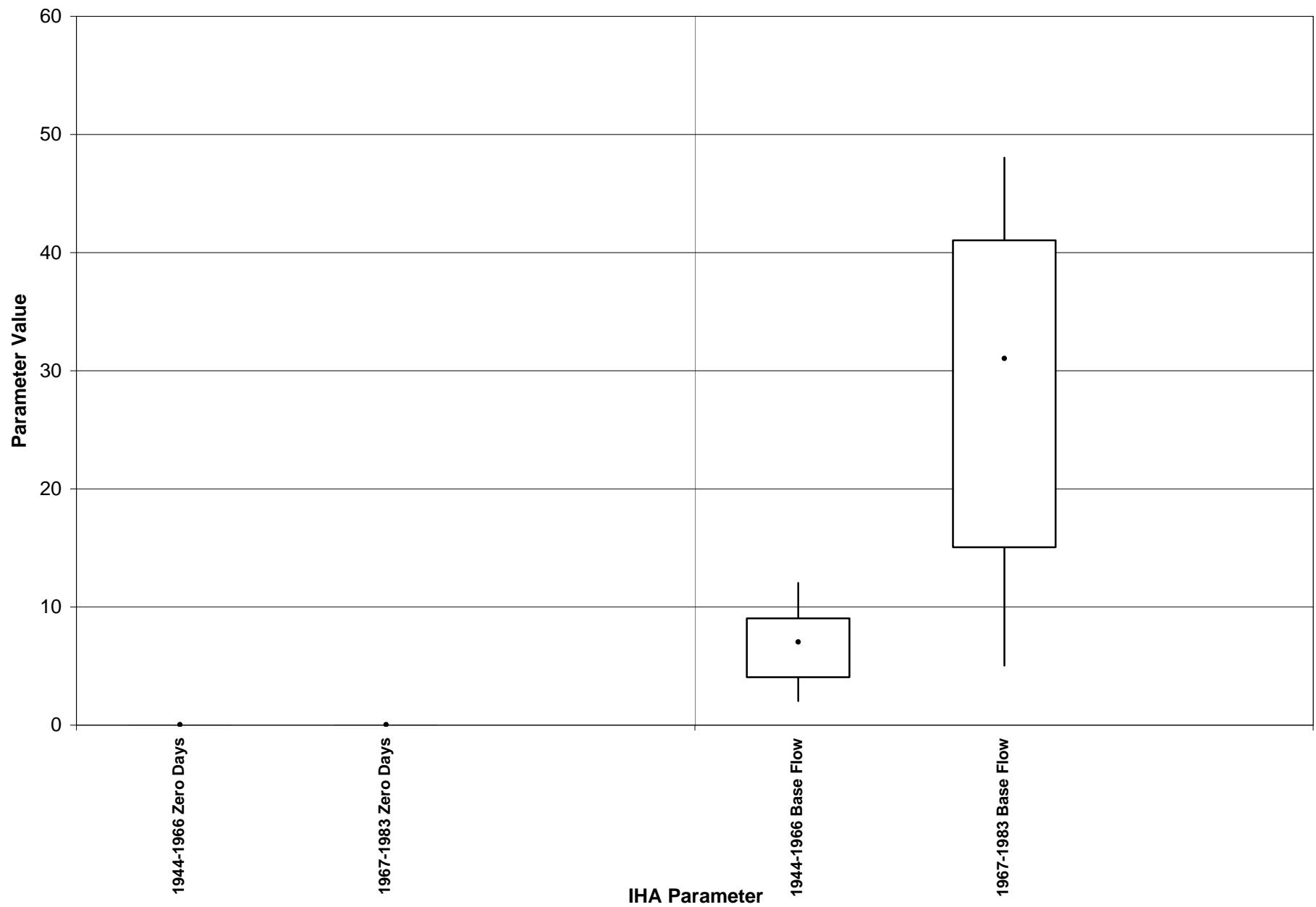
Box and Whisker - Minimum, 25th Percentile, Median, 75th Percentile, Maximum



11425000 - Feather River near Nicolaus
IHA NonParametric Analysis - Oroville Dam Impact Year
Box and Whisker - Minimum, 25th Percentile, Median, 75th Percentile, Maximum

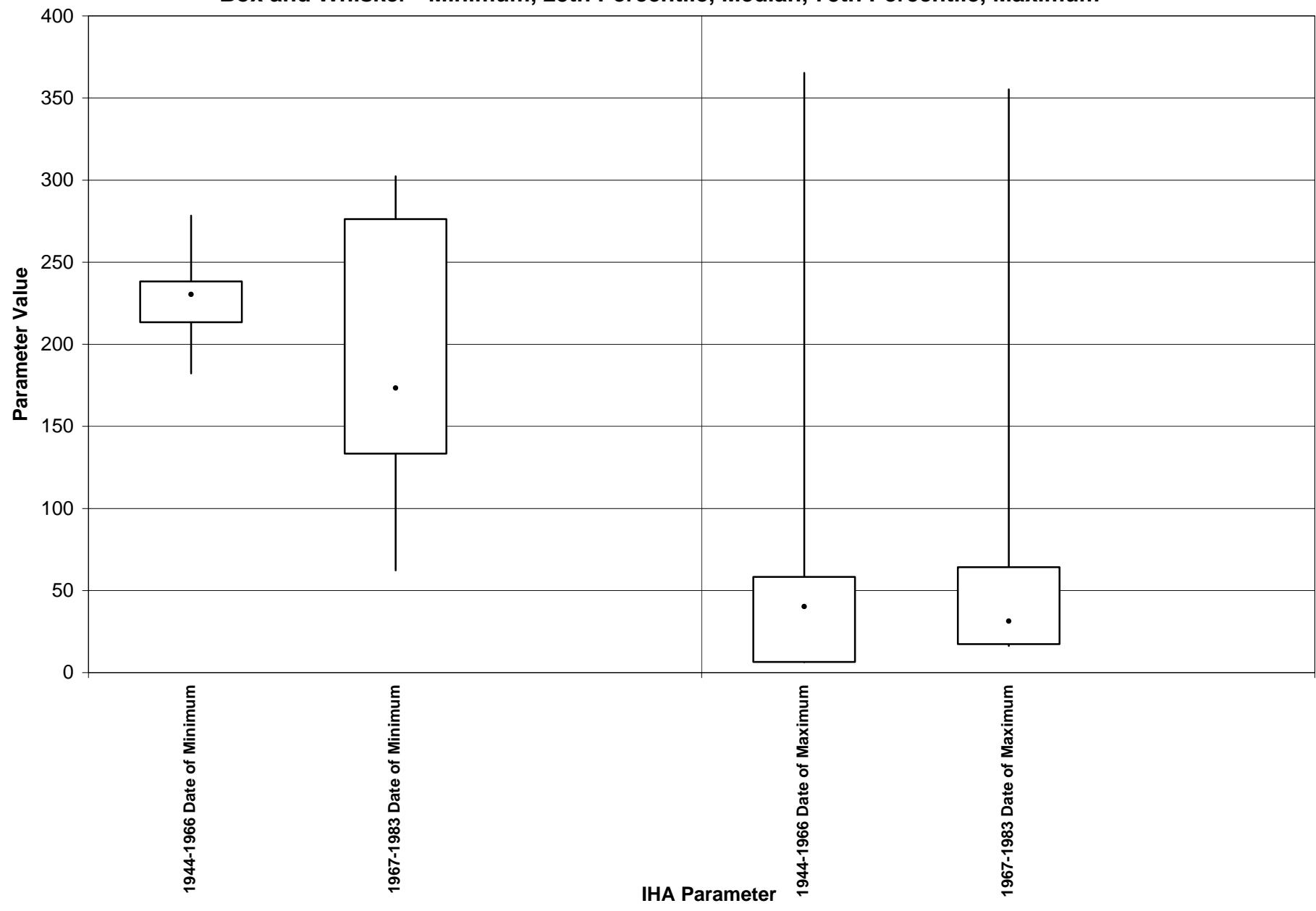


11425000 - Feather River near Nicolaus
IHA NonParametric Analysis - Oroville Dam Impact Year
Box and Whisker - Minimum, 25th Percentile, Median, 75th Percentile, Maximum

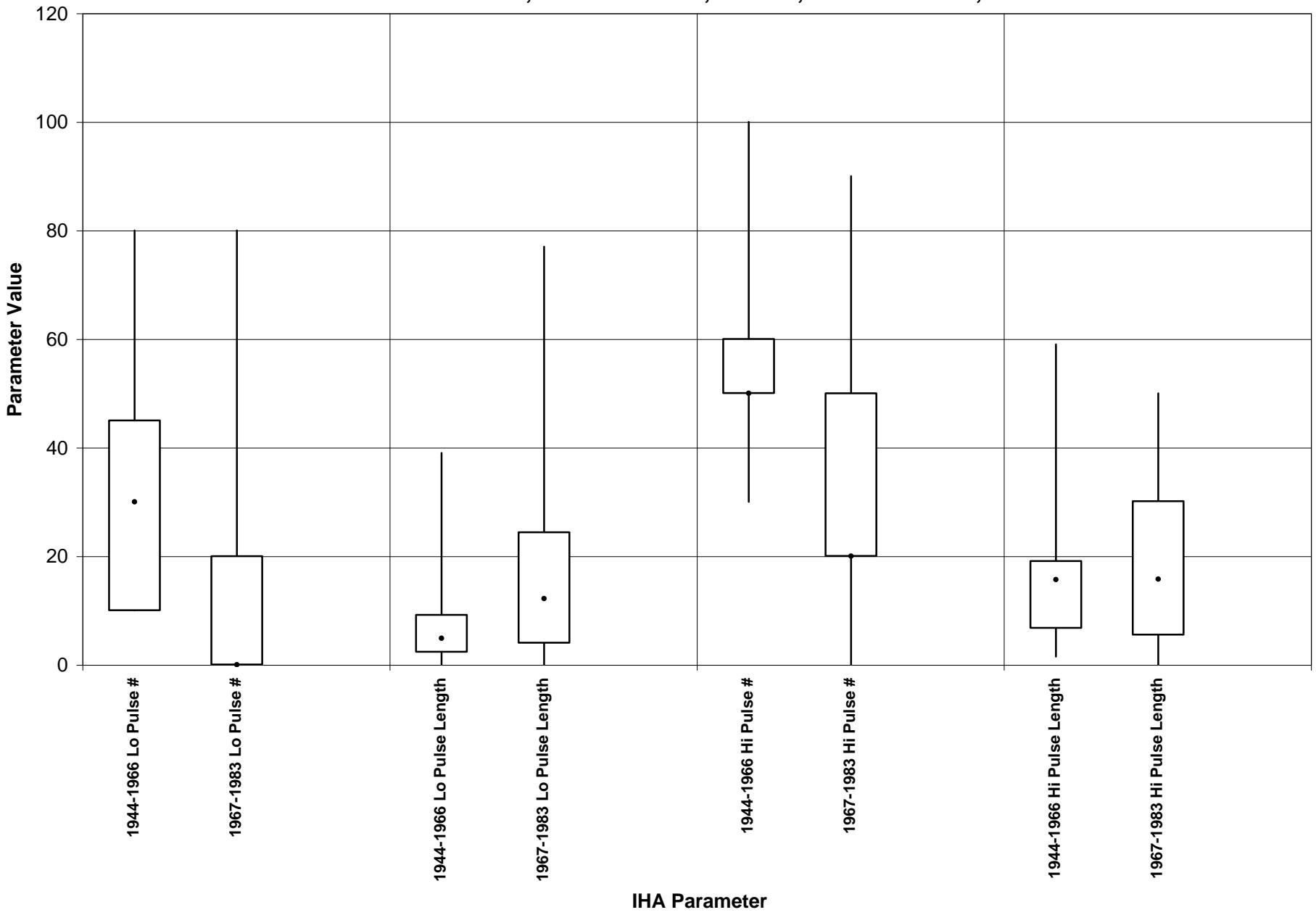


11425000 - Feather River near Nicolaus
IHA NonParametric Analysis - Oroville Dam Impact Year

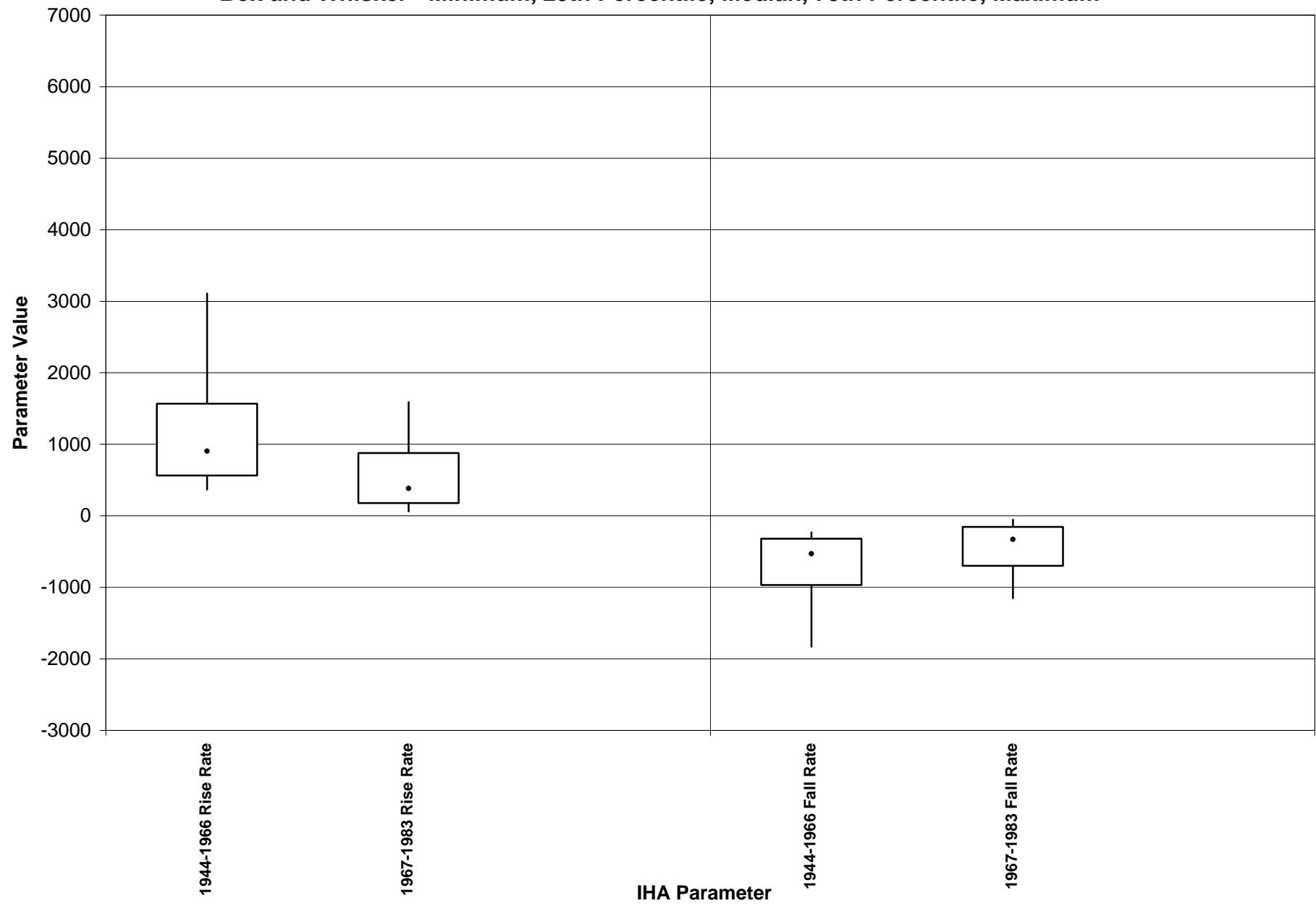
Box and Whisker - Minimum, 25th Percentile, Median, 75th Percentile, Maximum



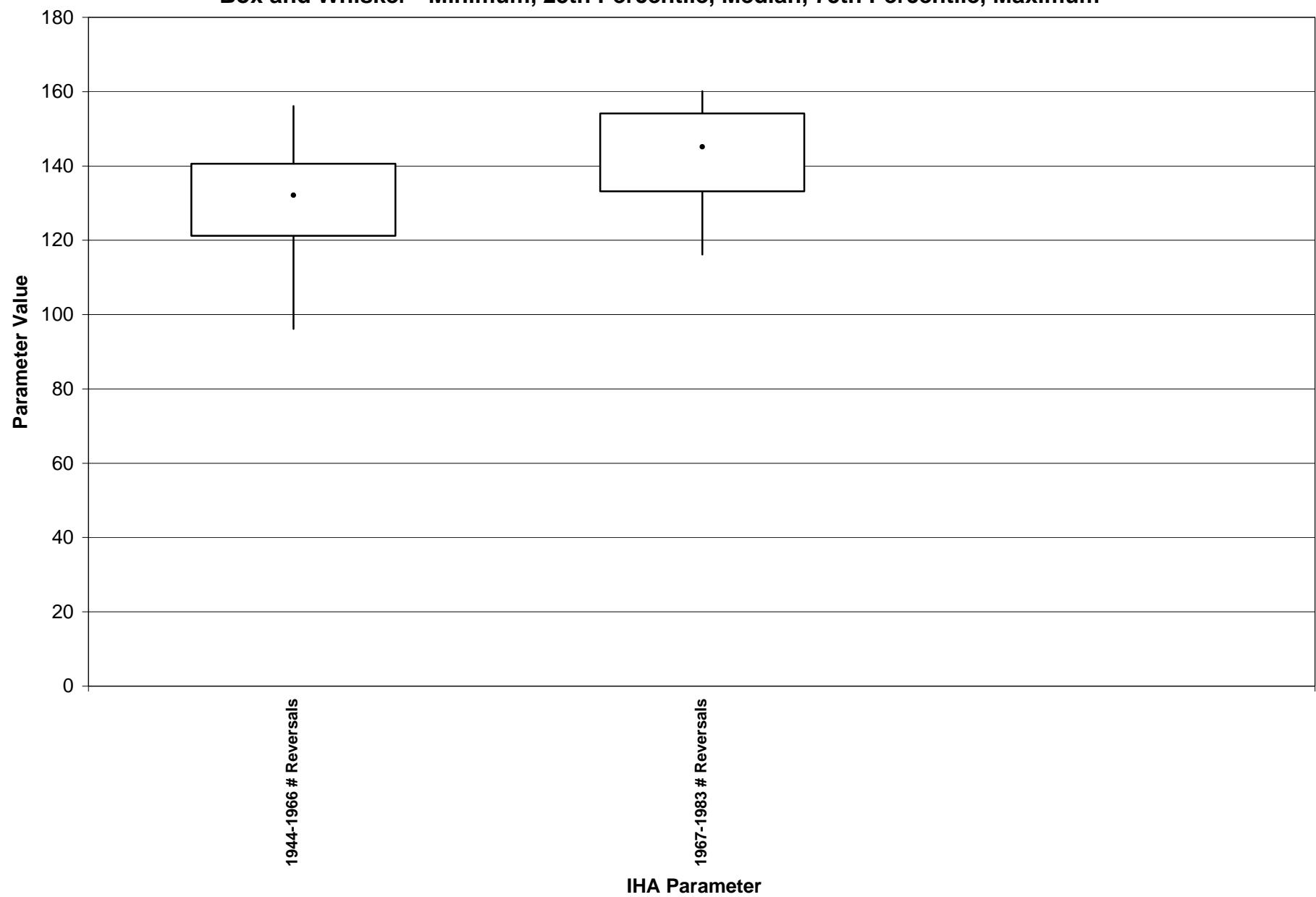
11425000 - Feather River near Nicolaus
IHA NonParametric Analysis - Oroville Dam Impact Year
Box and Whisker - Minimum, 25th Percentile, Median, 75th Percentile, Maximum



11425000 - Feather River near Nicolaus
IHA NonParametric Analysis - Oroville Dam Impact Year
Box and Whisker - Minimum, 25th Percentile, Median, 75th Percentile, Maximum

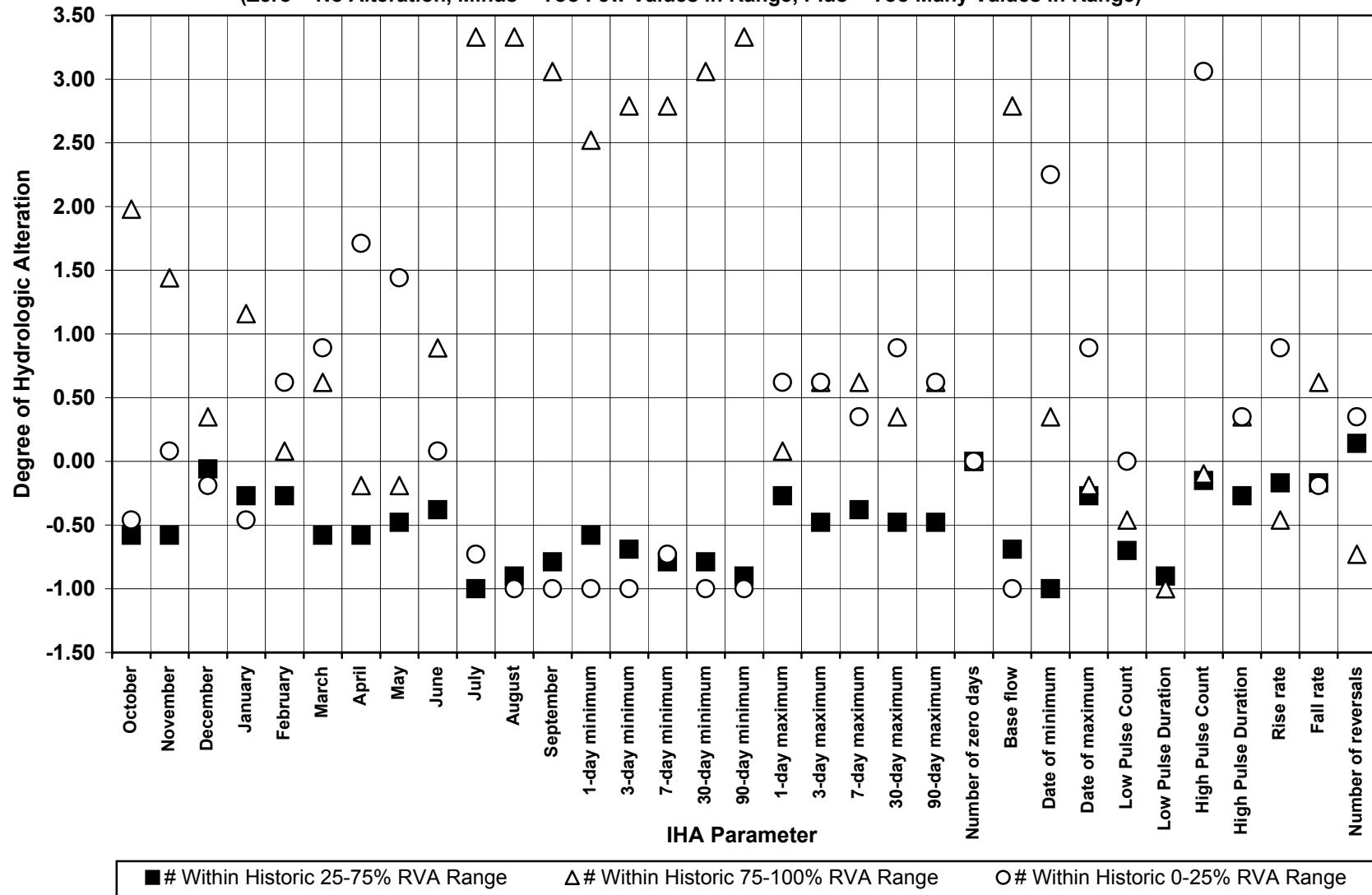


11425000 - Feather River near Nicolaus
IHA NonParametric Analysis - Oroville Dam Impact Year
Box and Whisker - Minimum, 25th Percentile, Median, 75th Percentile, Maximum

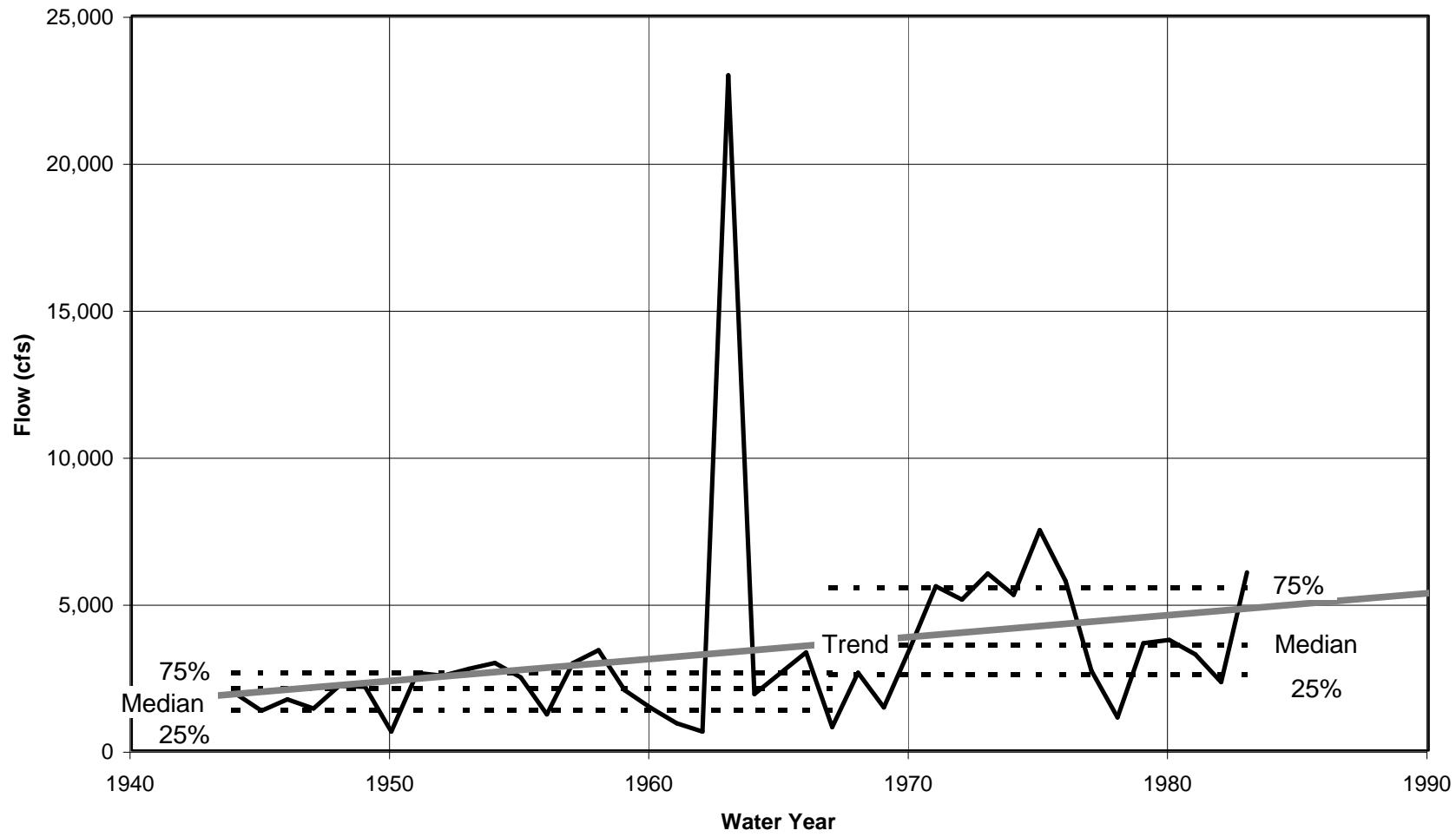


11425000 - Feather River near Nicolaus
Degree of Hydrologic Alteration of IHA Parameters

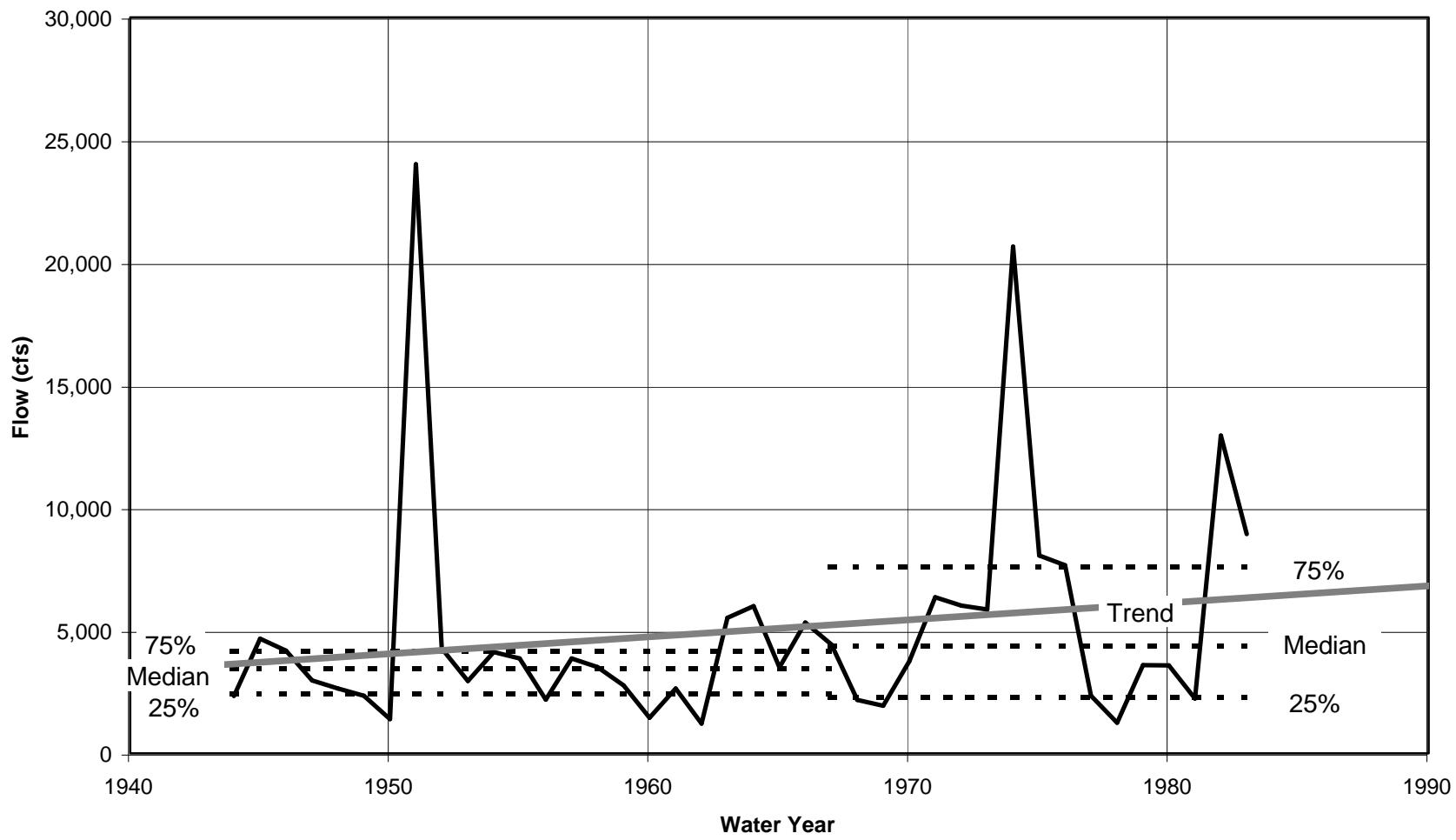
(Zero = No Alteration, Minus = Too Few Values in Range, Plus = Too Many Values in Range)



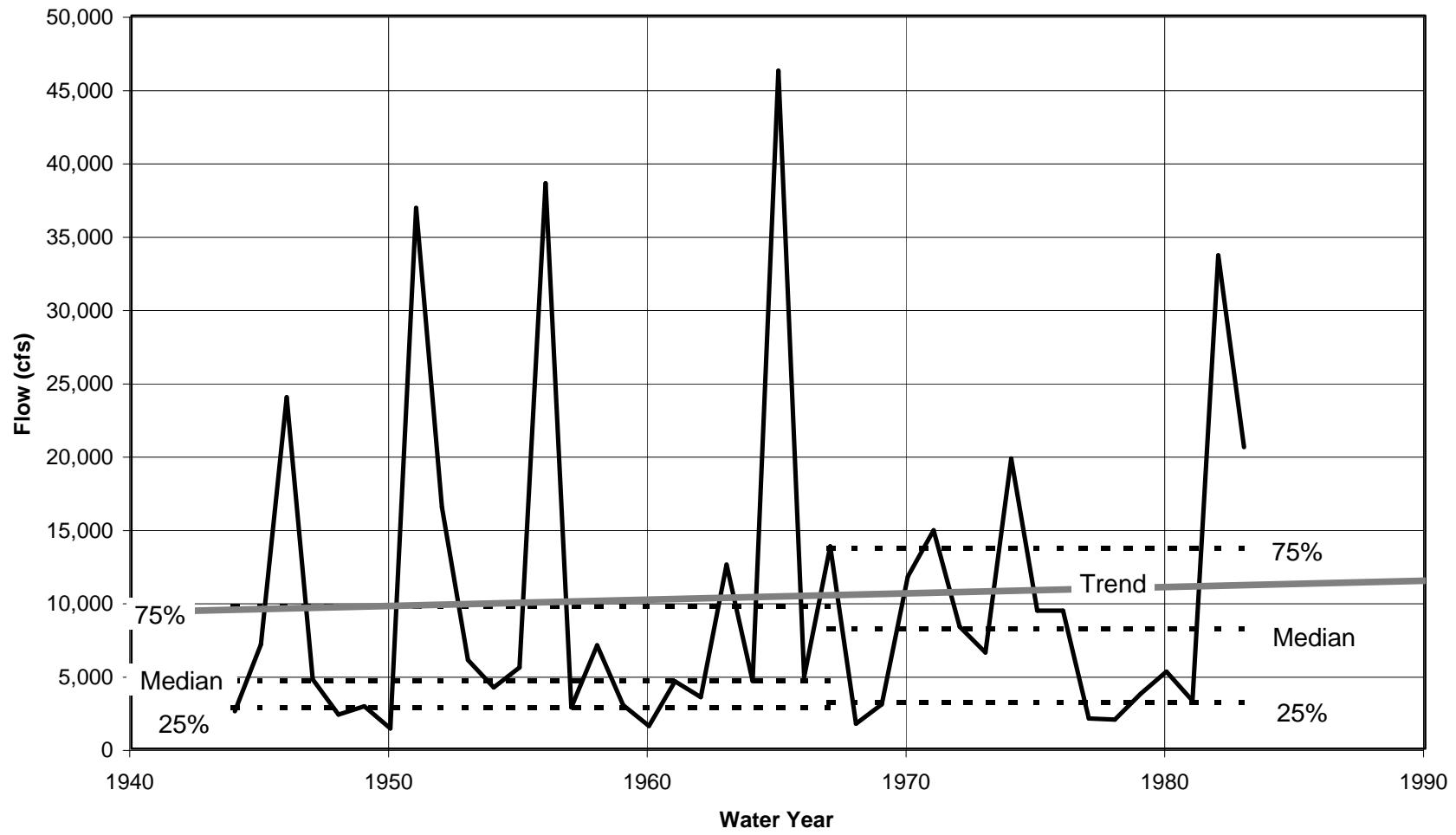
11425000 - Feather River near Nicolaus
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
Mean October Flows



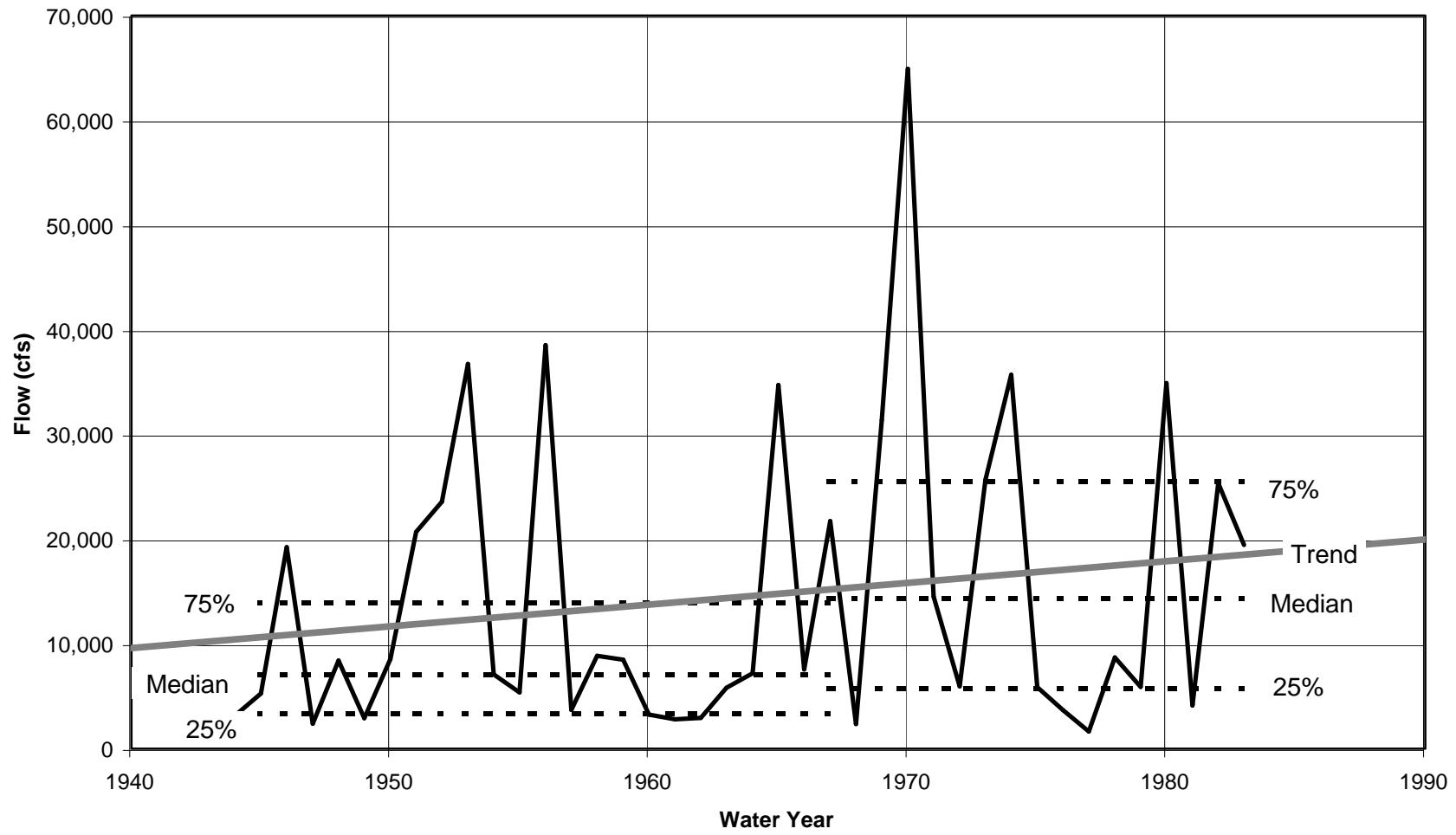
11425000 - Feather River near Nicolaus
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
Mean November Flows



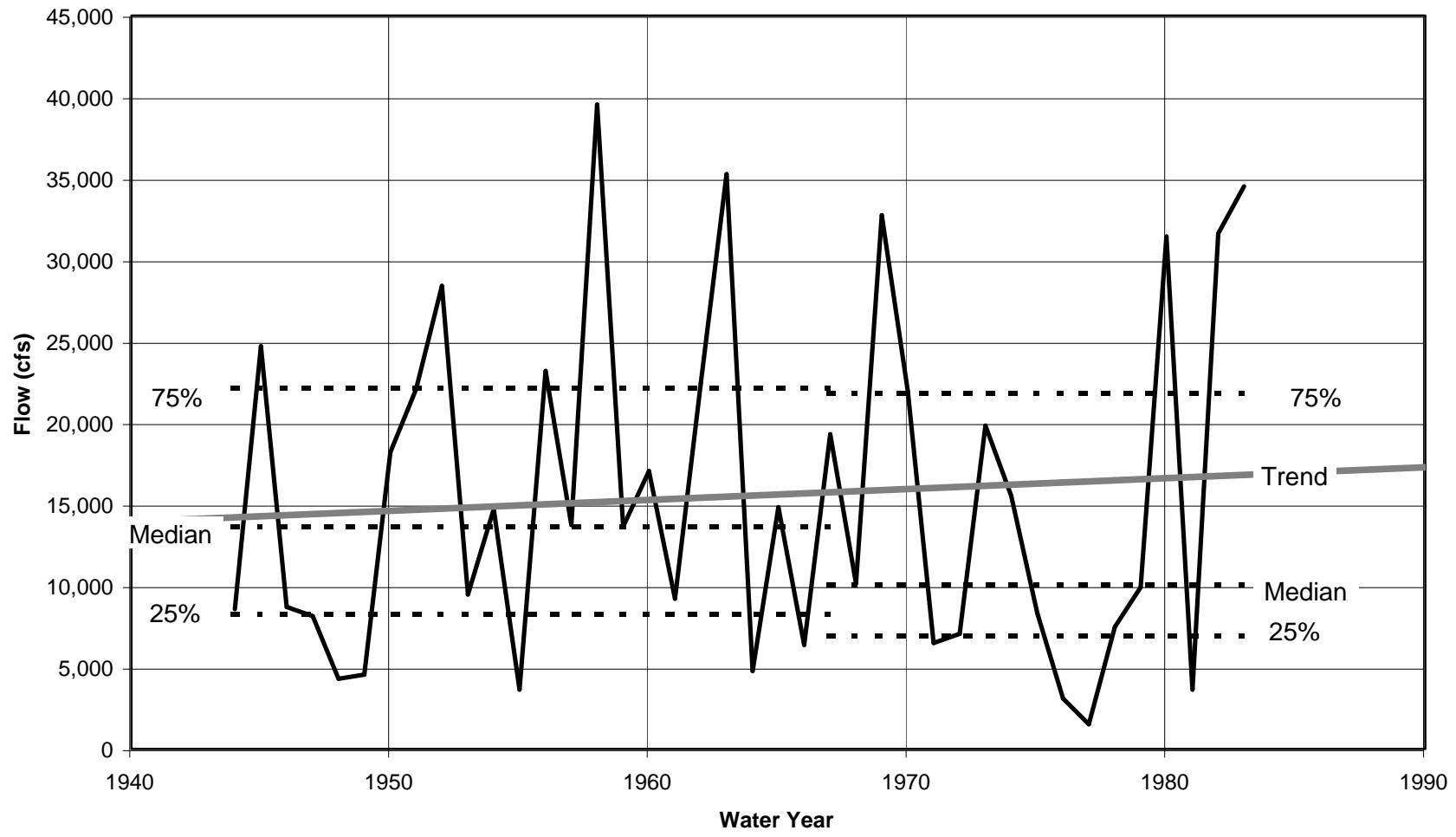
11425000 - Feather River near Nicolaus
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
Mean December Flows



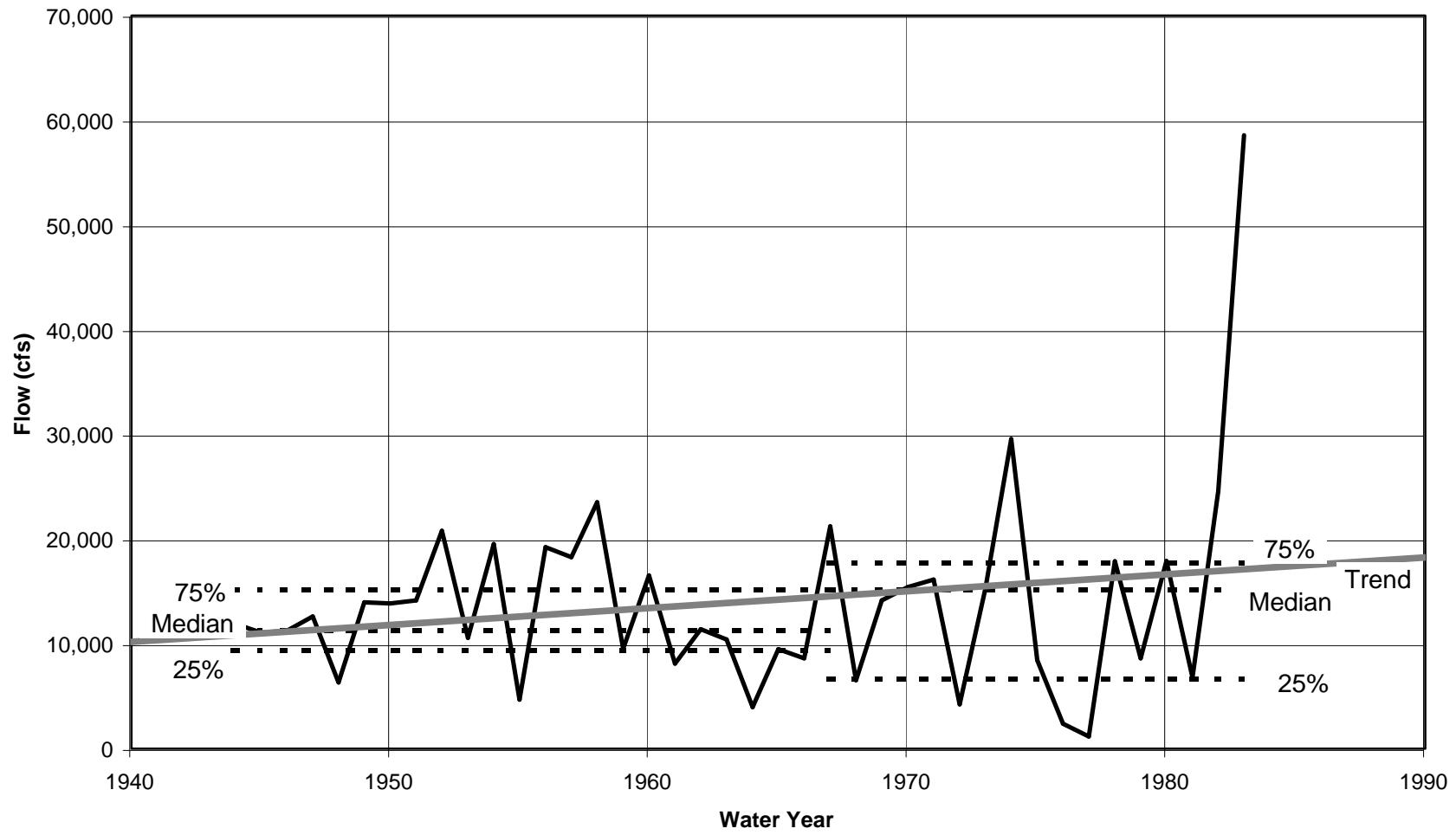
11425000 - Feather River near Nicolaus
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
Mean January Flows



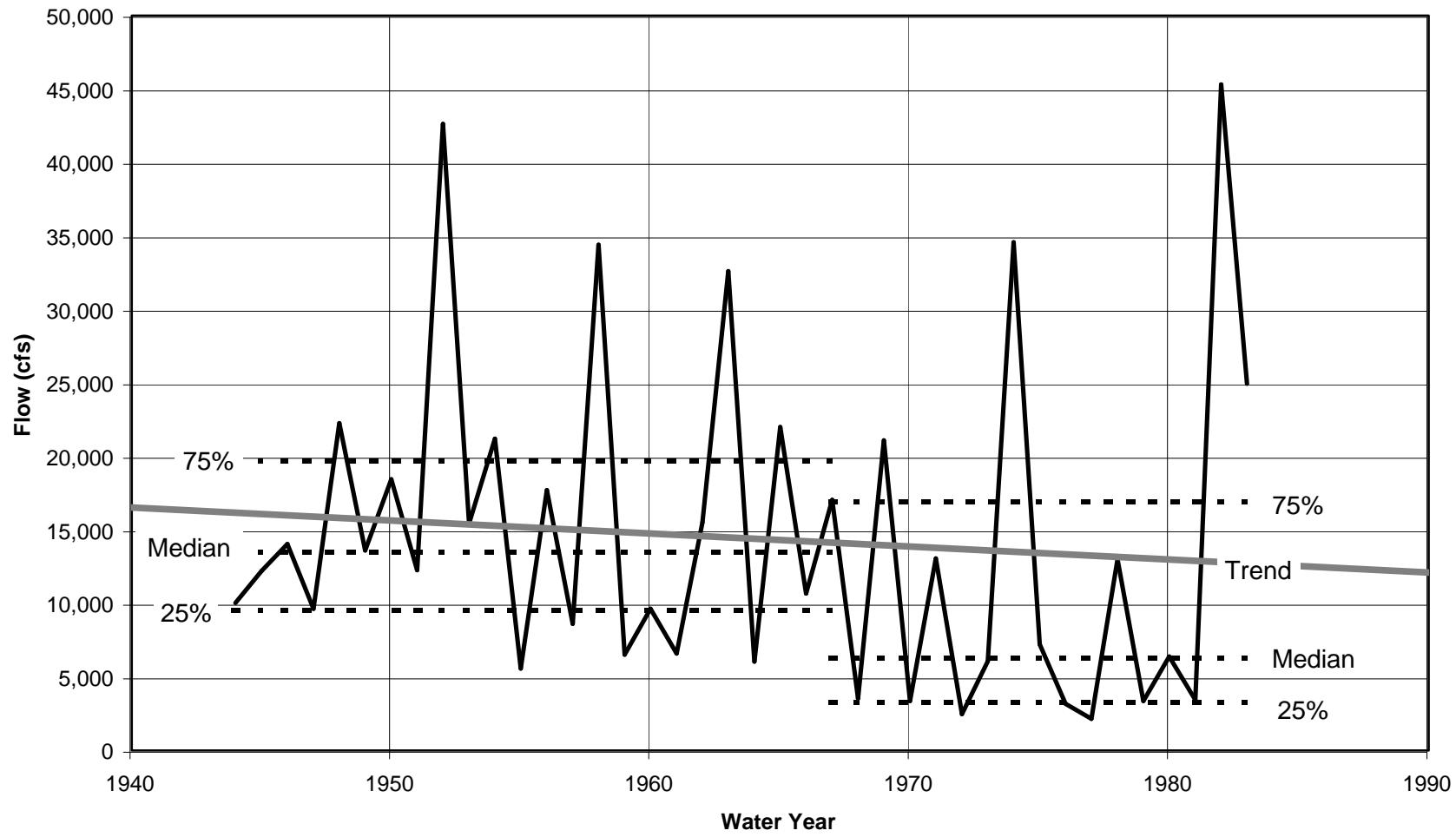
11425000 - Feather River near Nicolaus
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
Mean February Flows



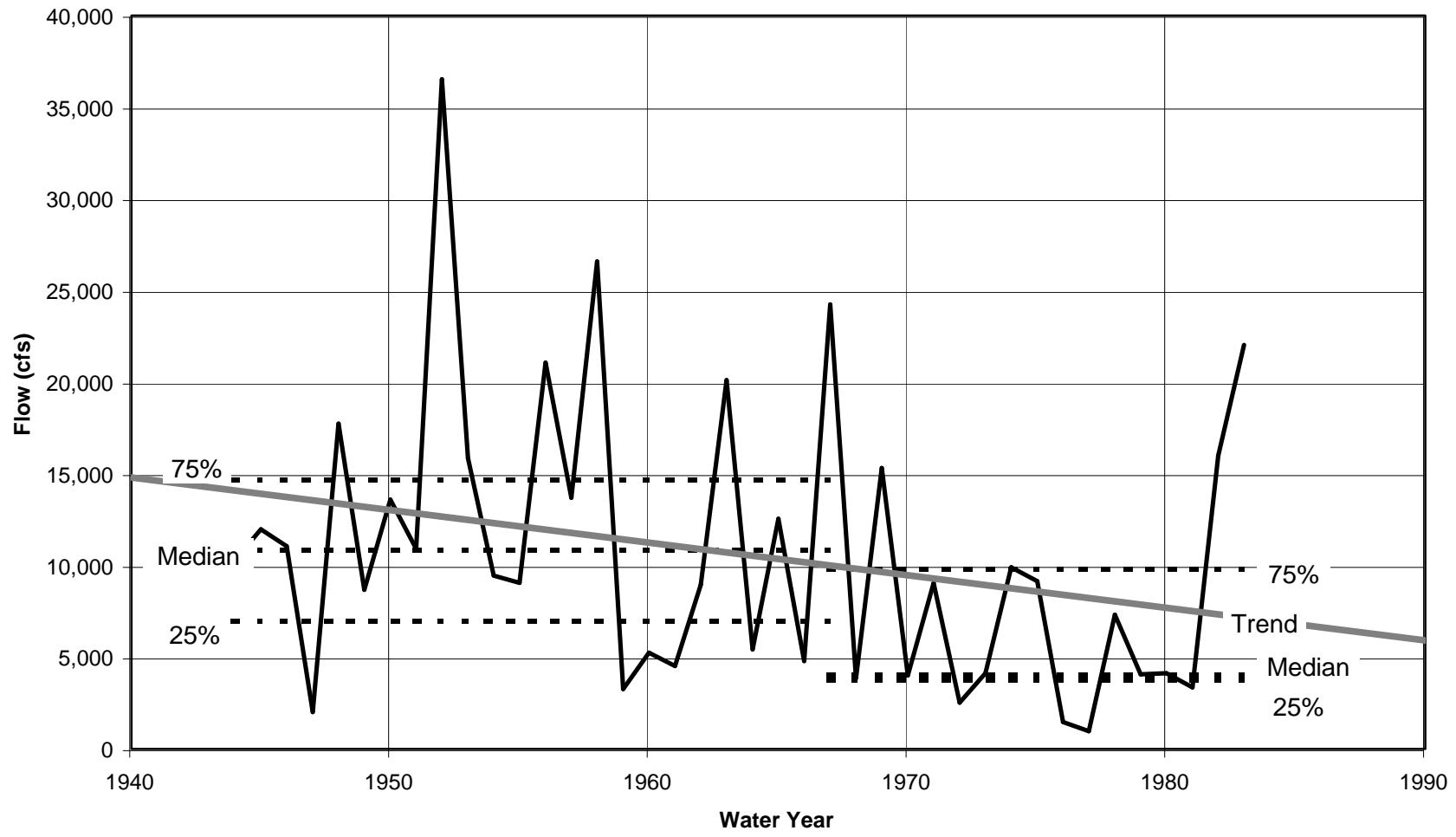
11425000 - Feather River near Nicolaus
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
Mean March Flows



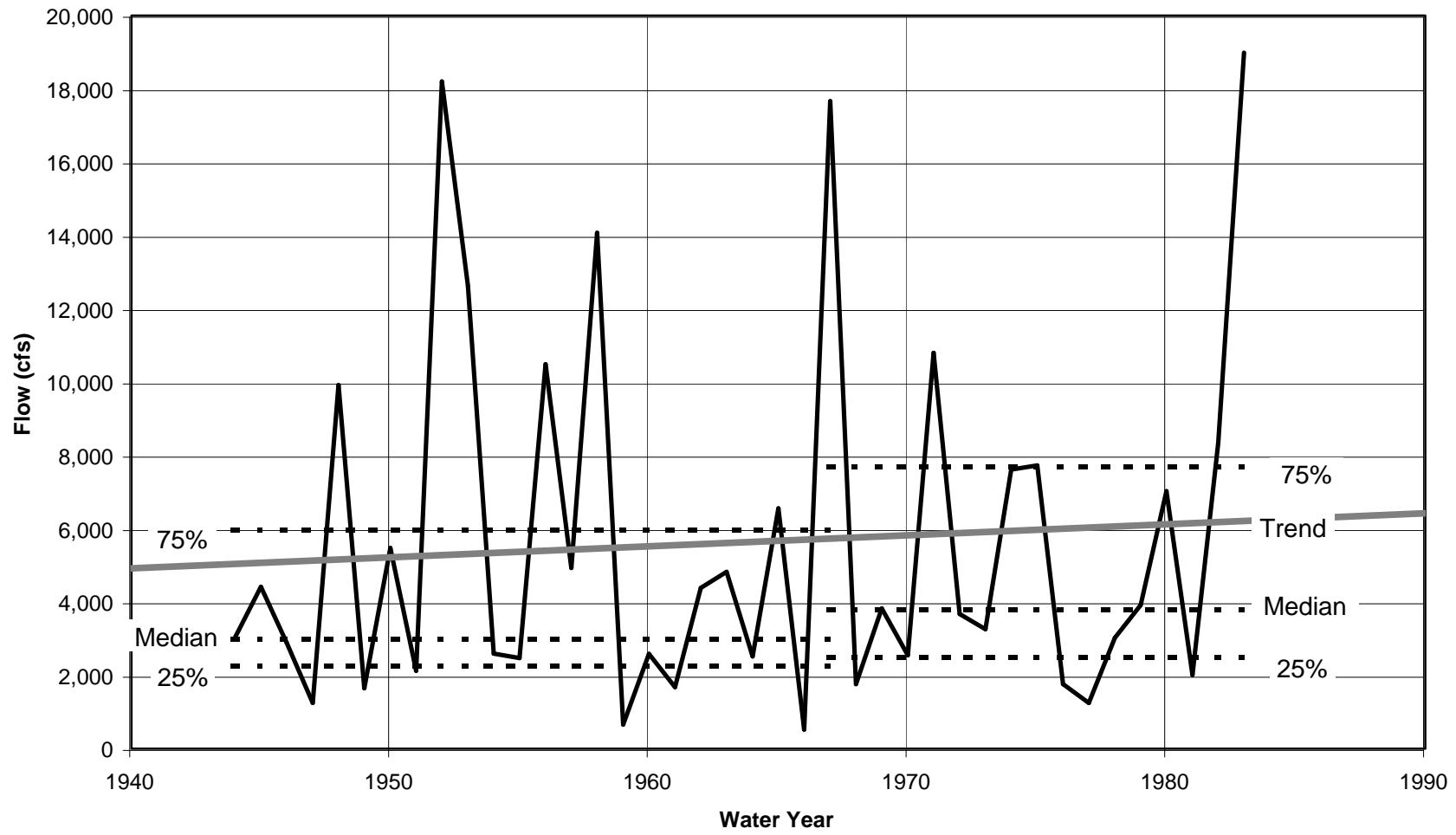
11425000 - Feather River near Nicolaus
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
Mean April Flows



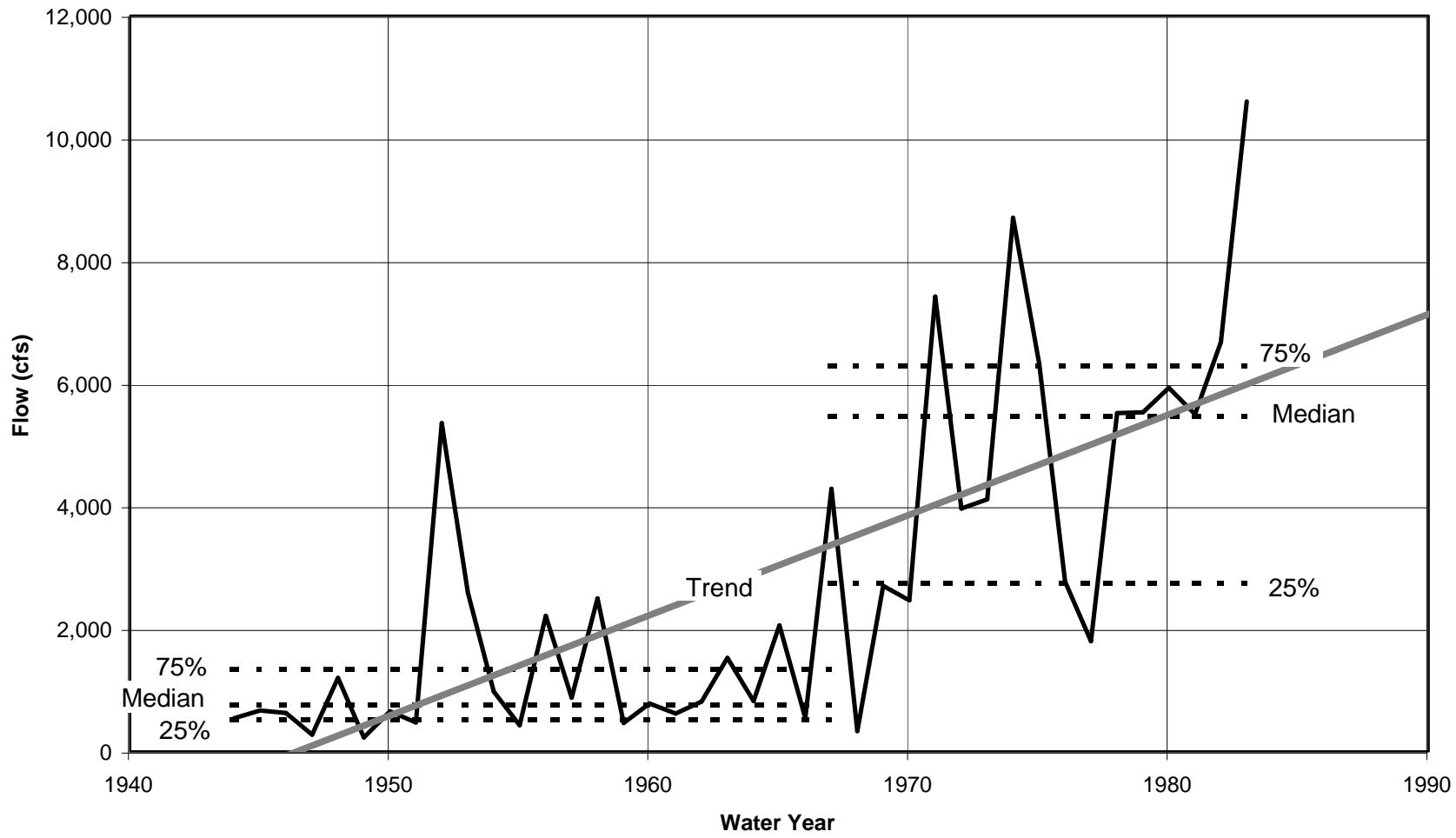
11425000 - Feather River near Nicolaus
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
Mean May Flows



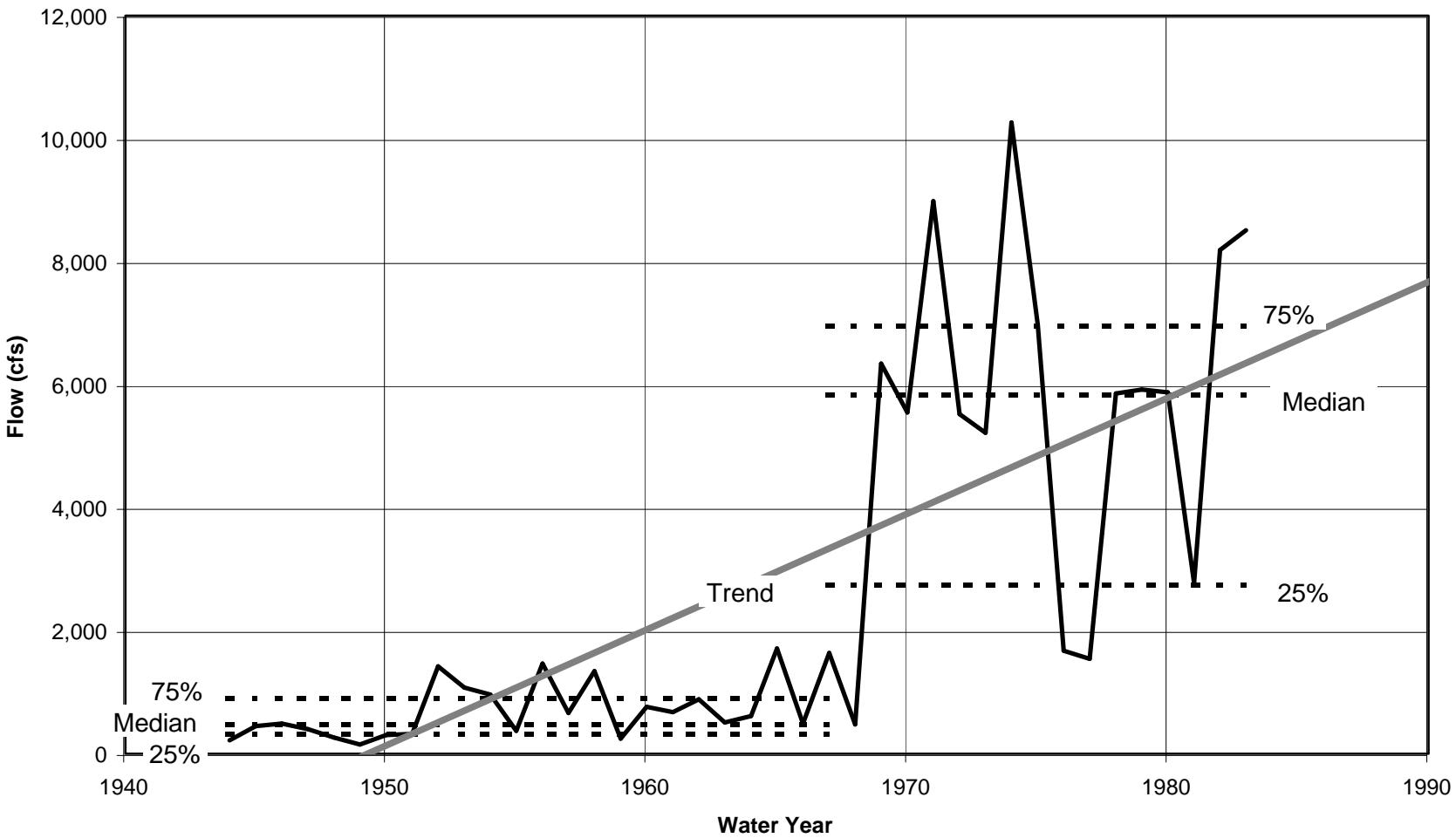
11425000 - Feather River near Nicolaus
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
Mean June Flows



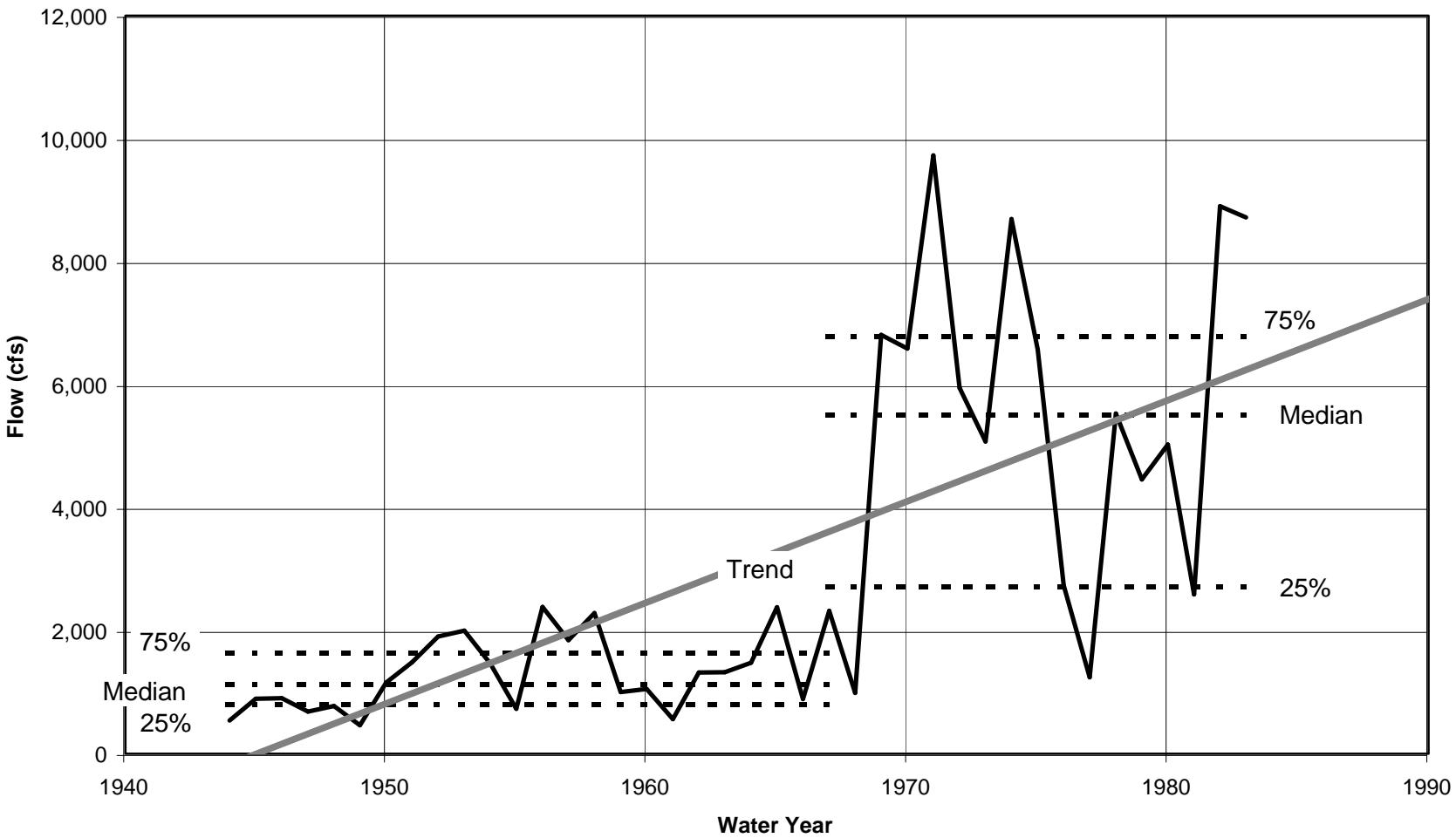
11425000 - Feather River near Nicolaus
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
Mean July Flows



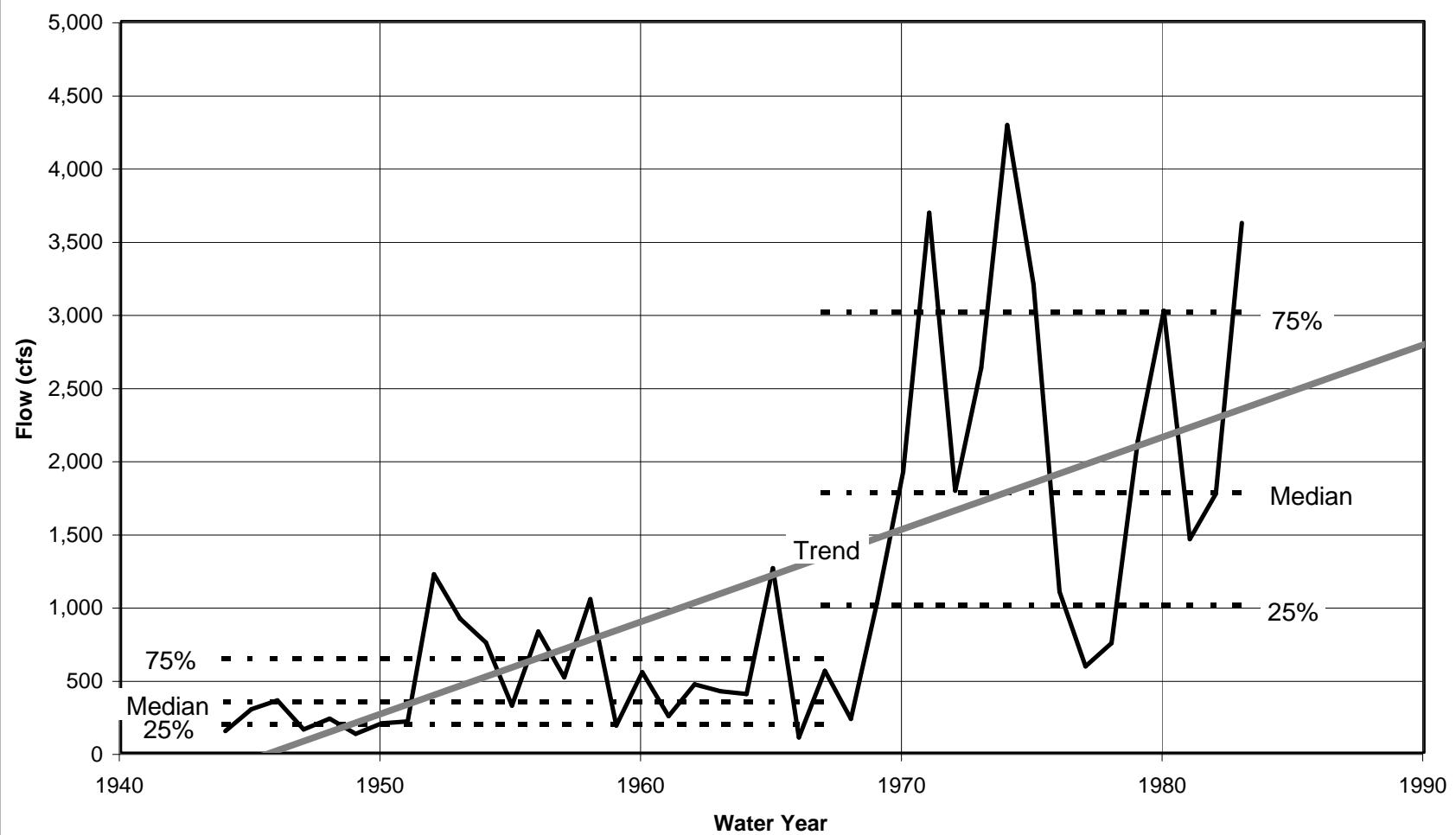
11425000 - Feather River near Nicolaus
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
Mean August Flows



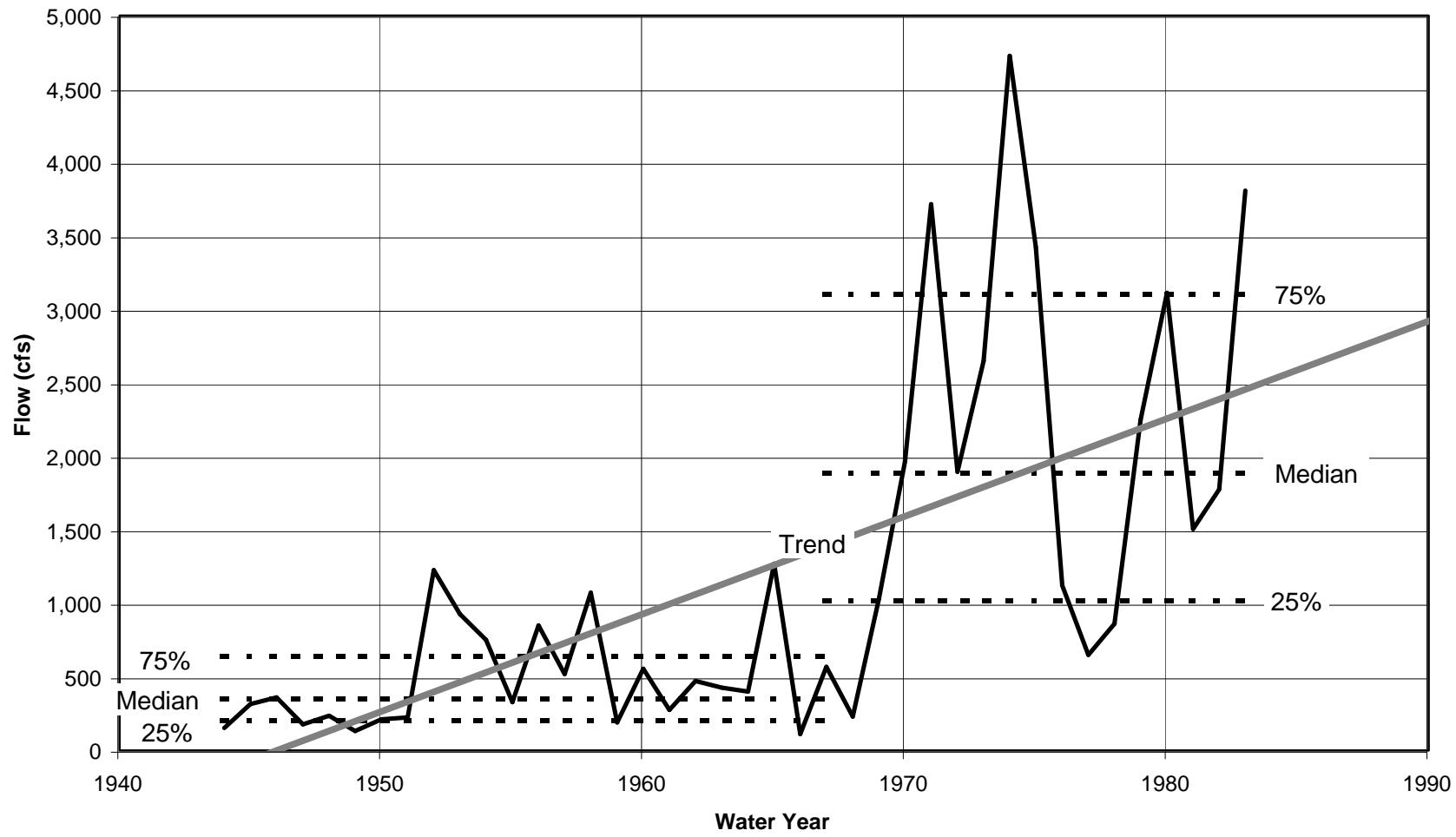
11425000 - Feather River near Nicolaus
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
Mean September Flows



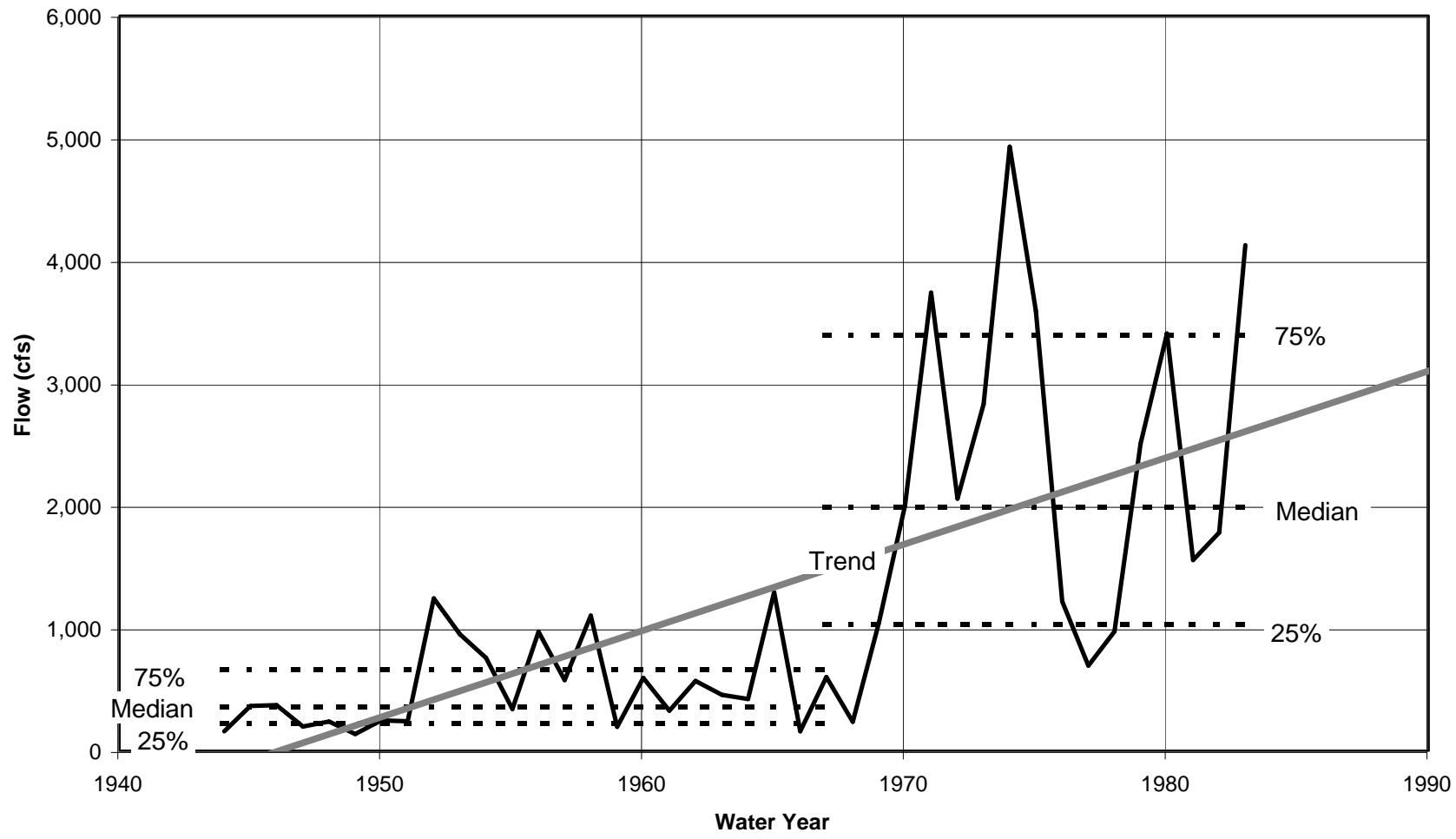
11425000 - Feather River near Nicolaus
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
1-Day Minimum



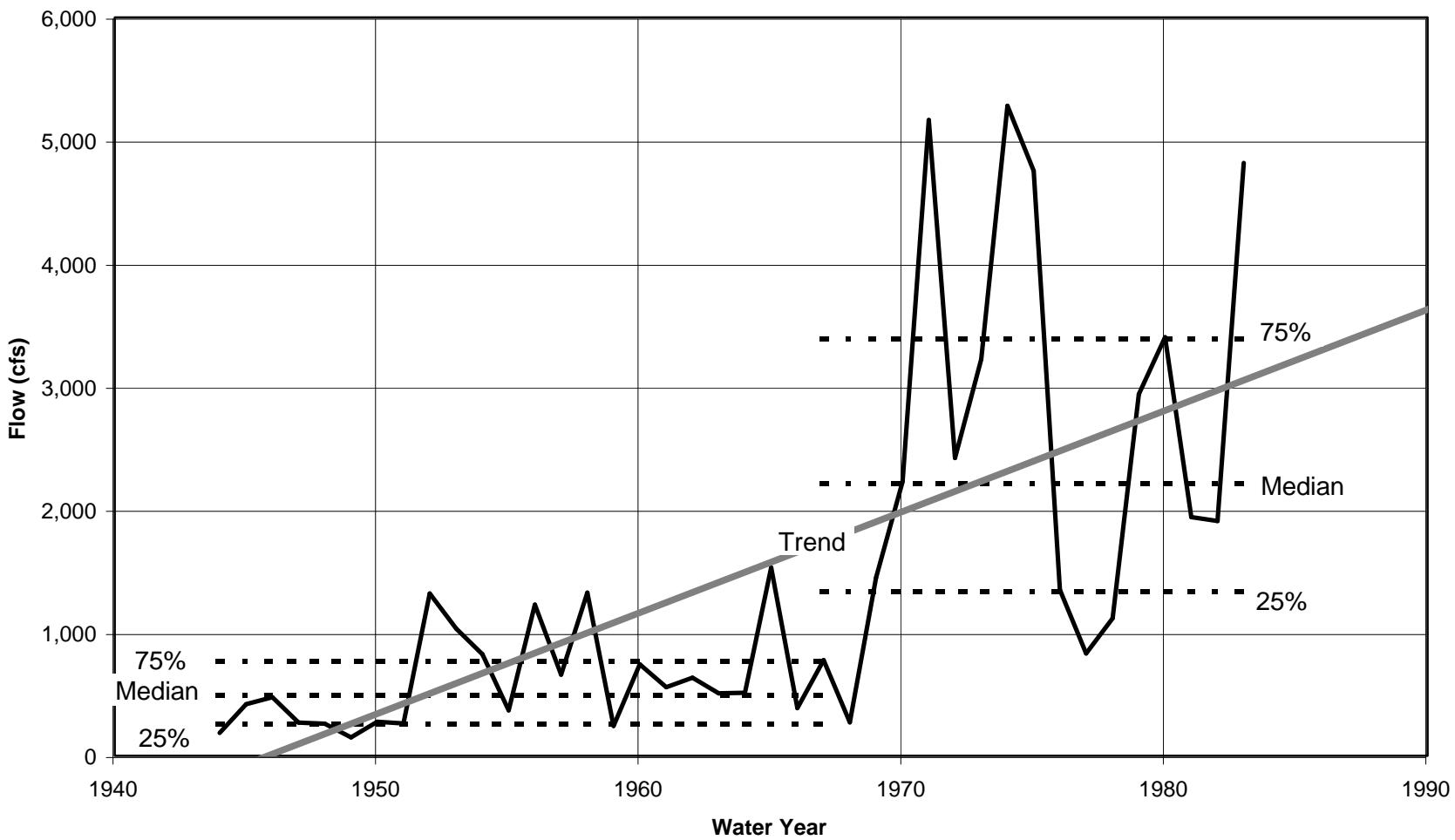
11425000 - Feather River near Nicolaus
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
3-Day Minimum



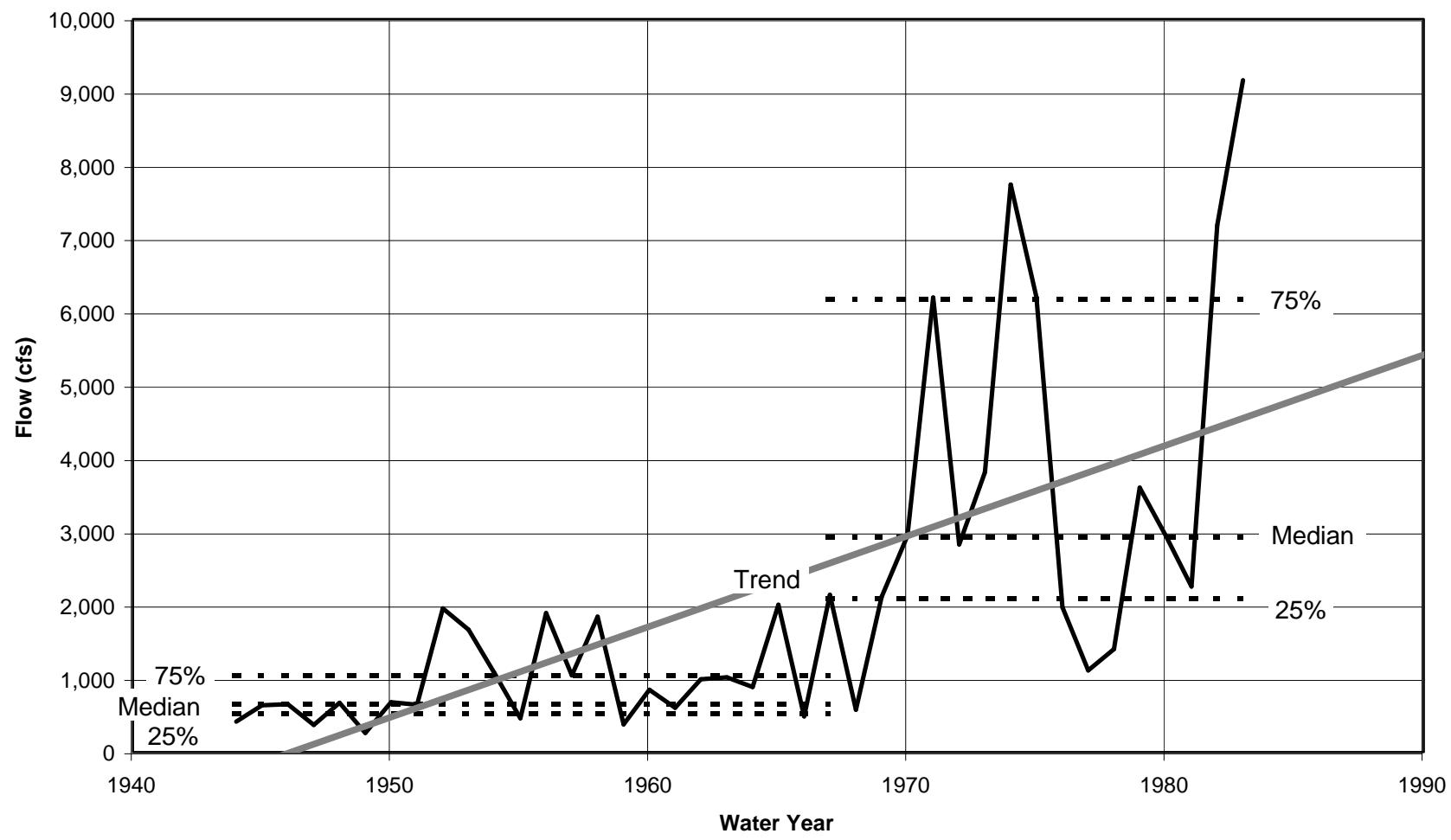
11425000 - Feather River near Nicolaus
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
7-Day Minimum



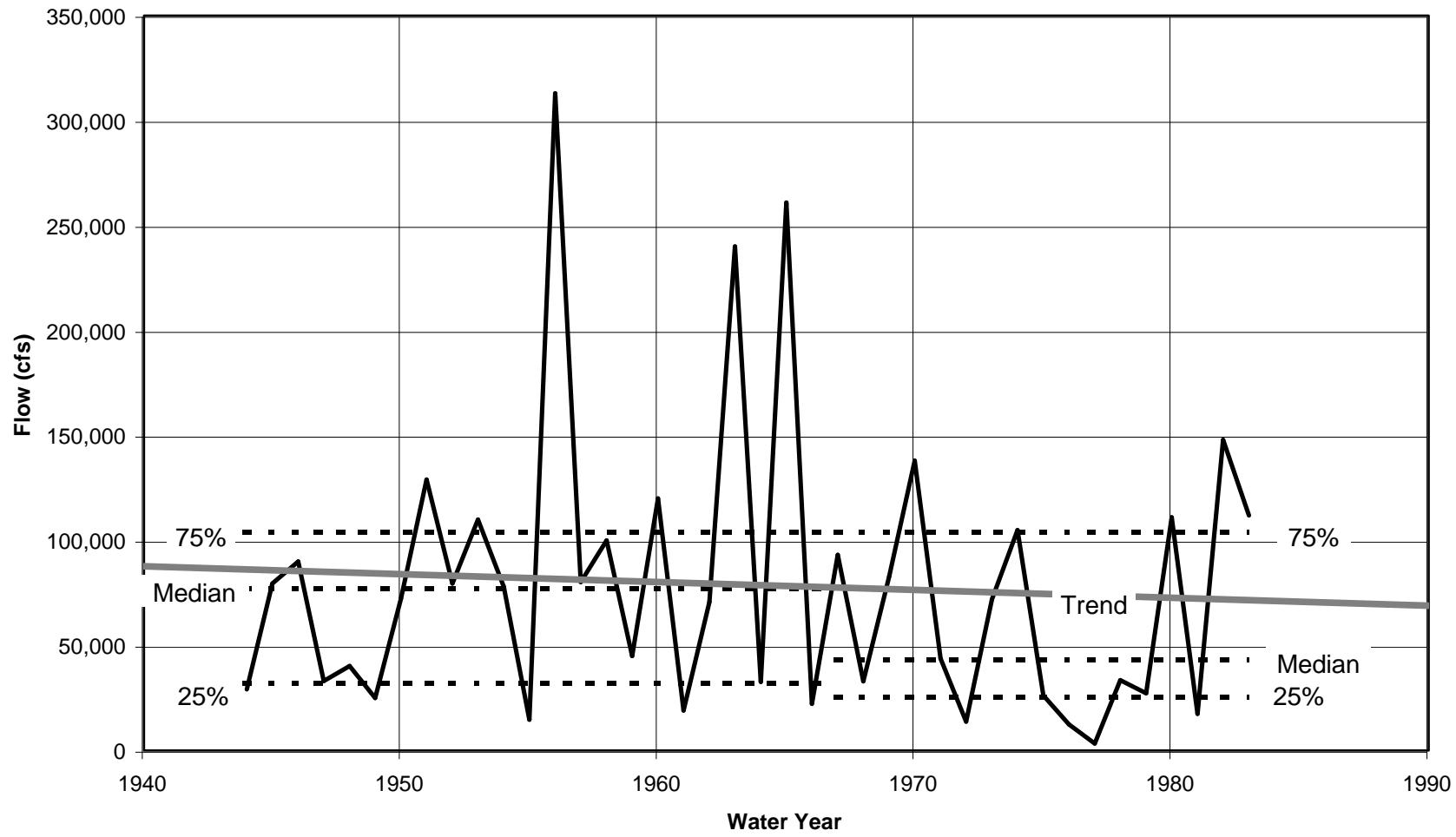
11425000 - Feather River near Nicolaus
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
30-Day Minimum



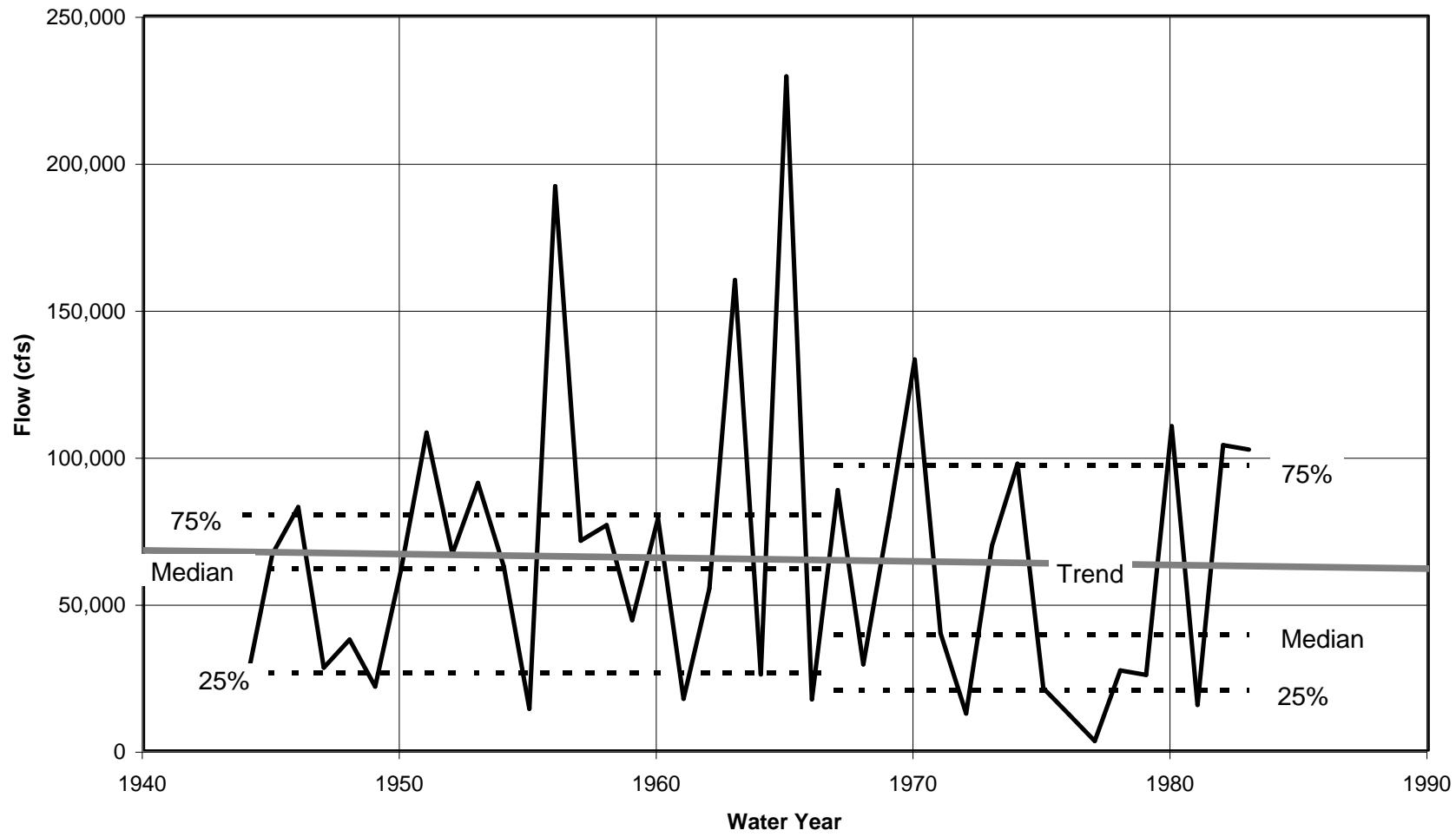
11425000 - Feather River near Nicolaus
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
90-Day Minimum



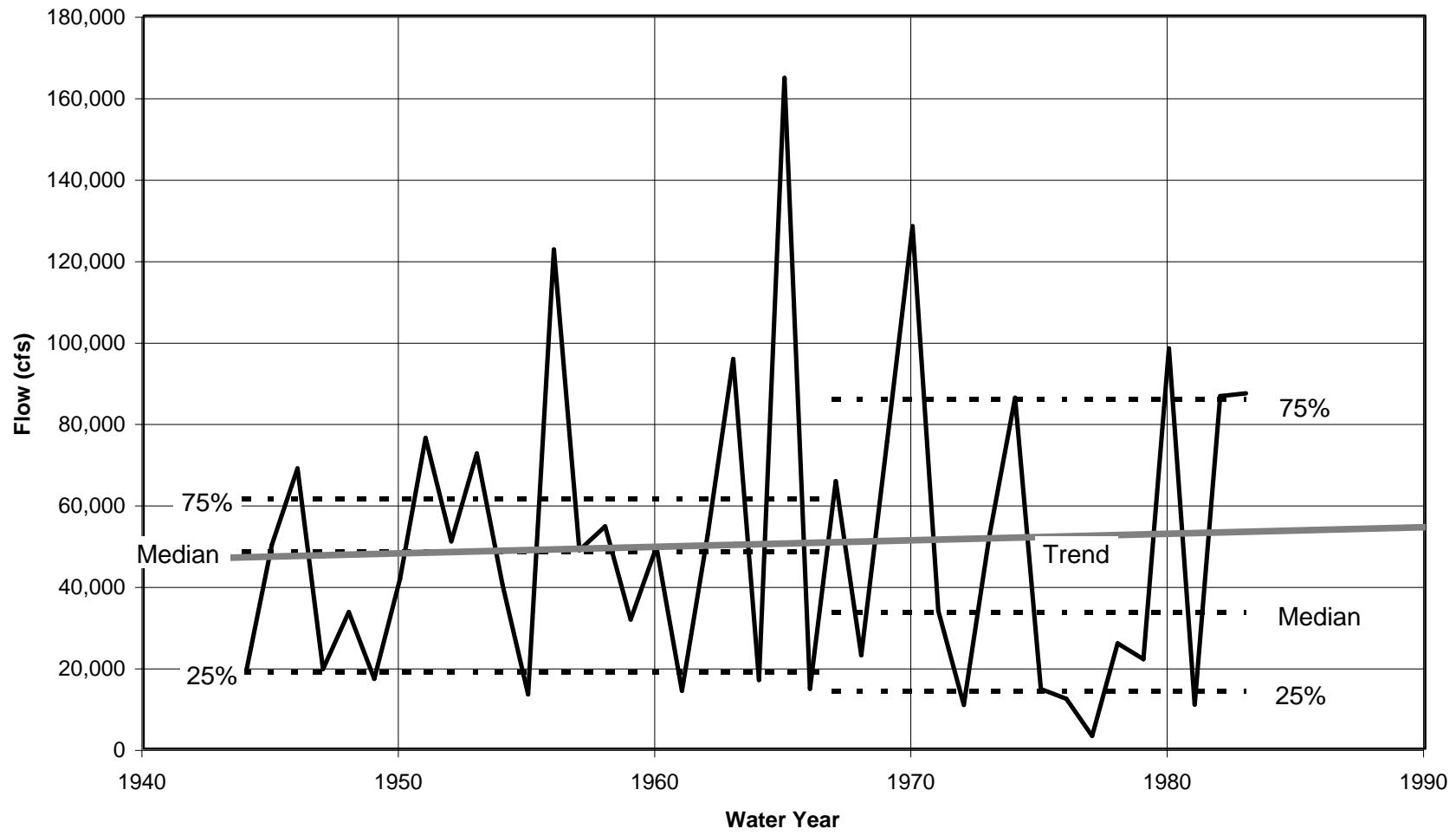
11425000 - Feather River near Nicolaus
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
1-Day Maximum



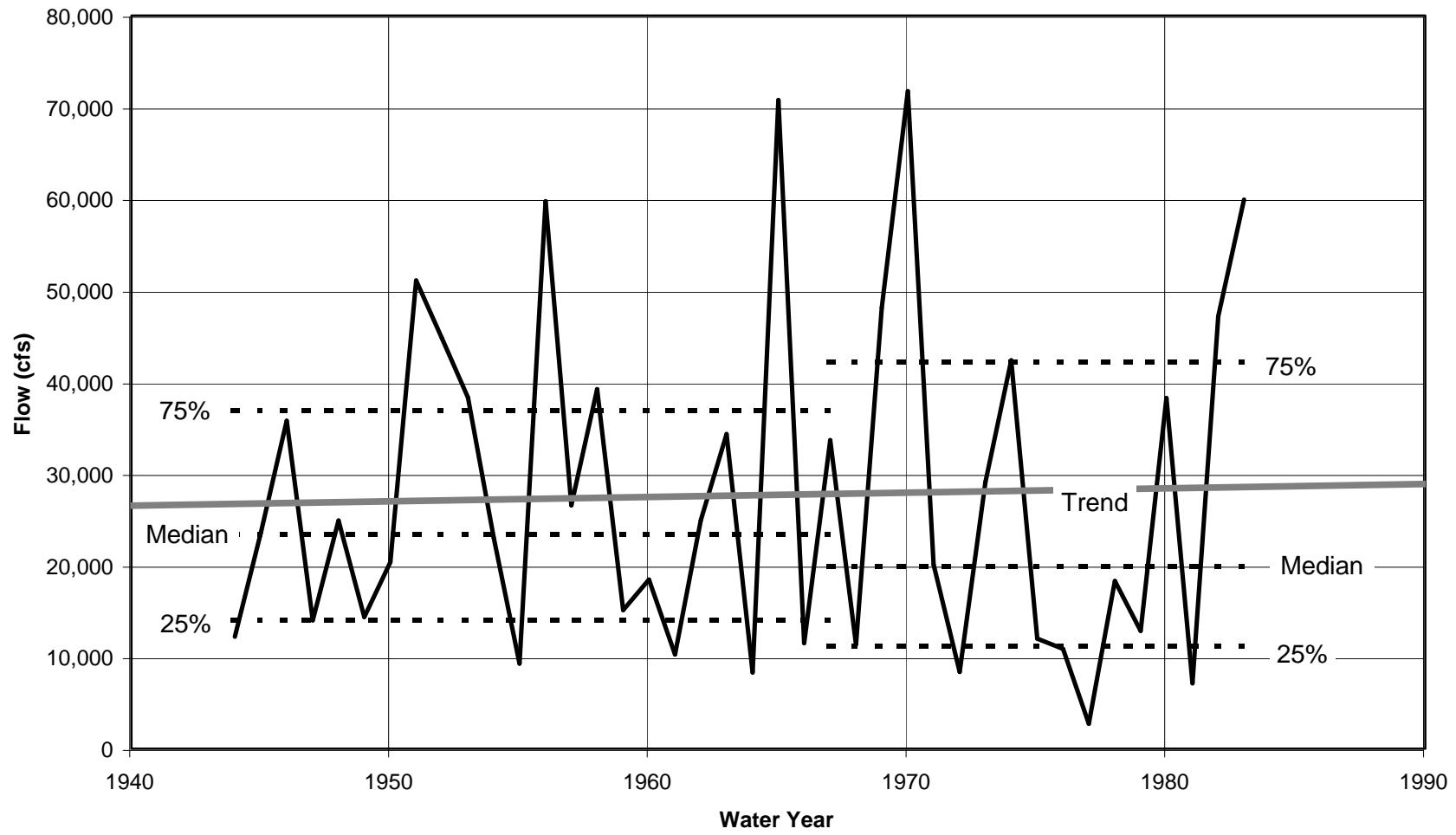
11425000 - Feather River near Nicolaus
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
3-Day Maximum



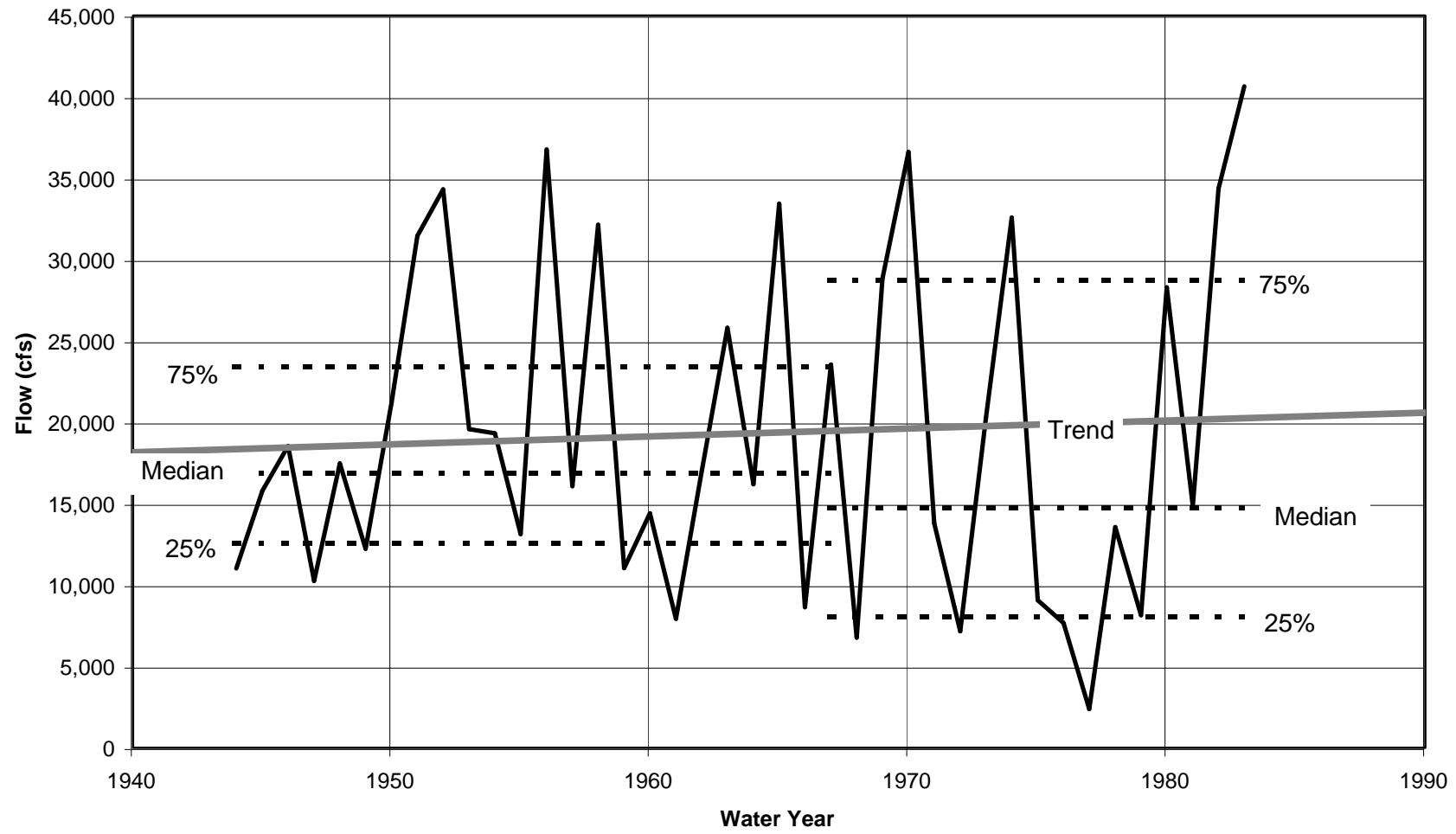
11425000 - Feather River near Nicolaus
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
7-Day Maximum



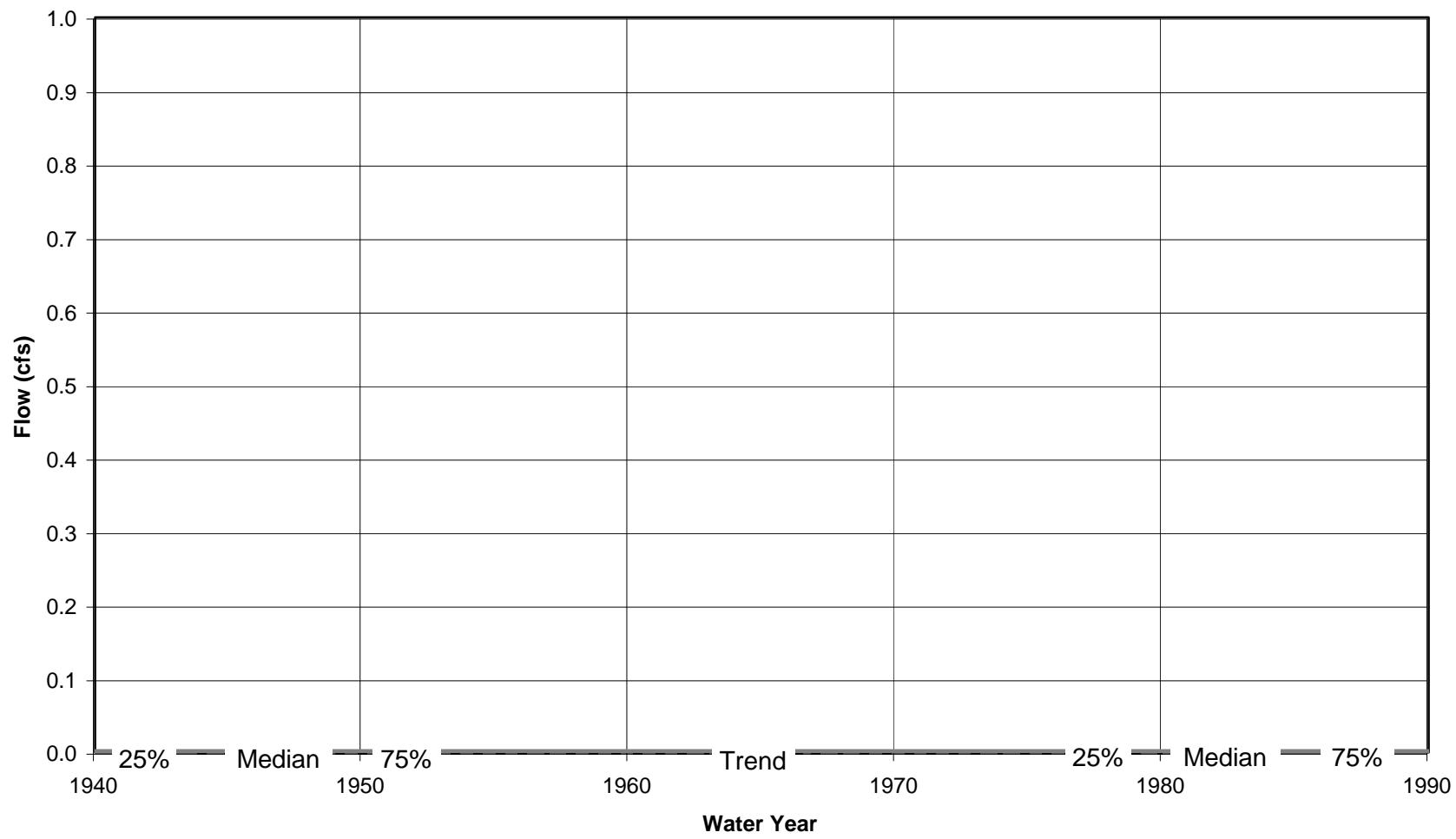
11425000 - Feather River near Nicolaus
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
30-Day Maximum



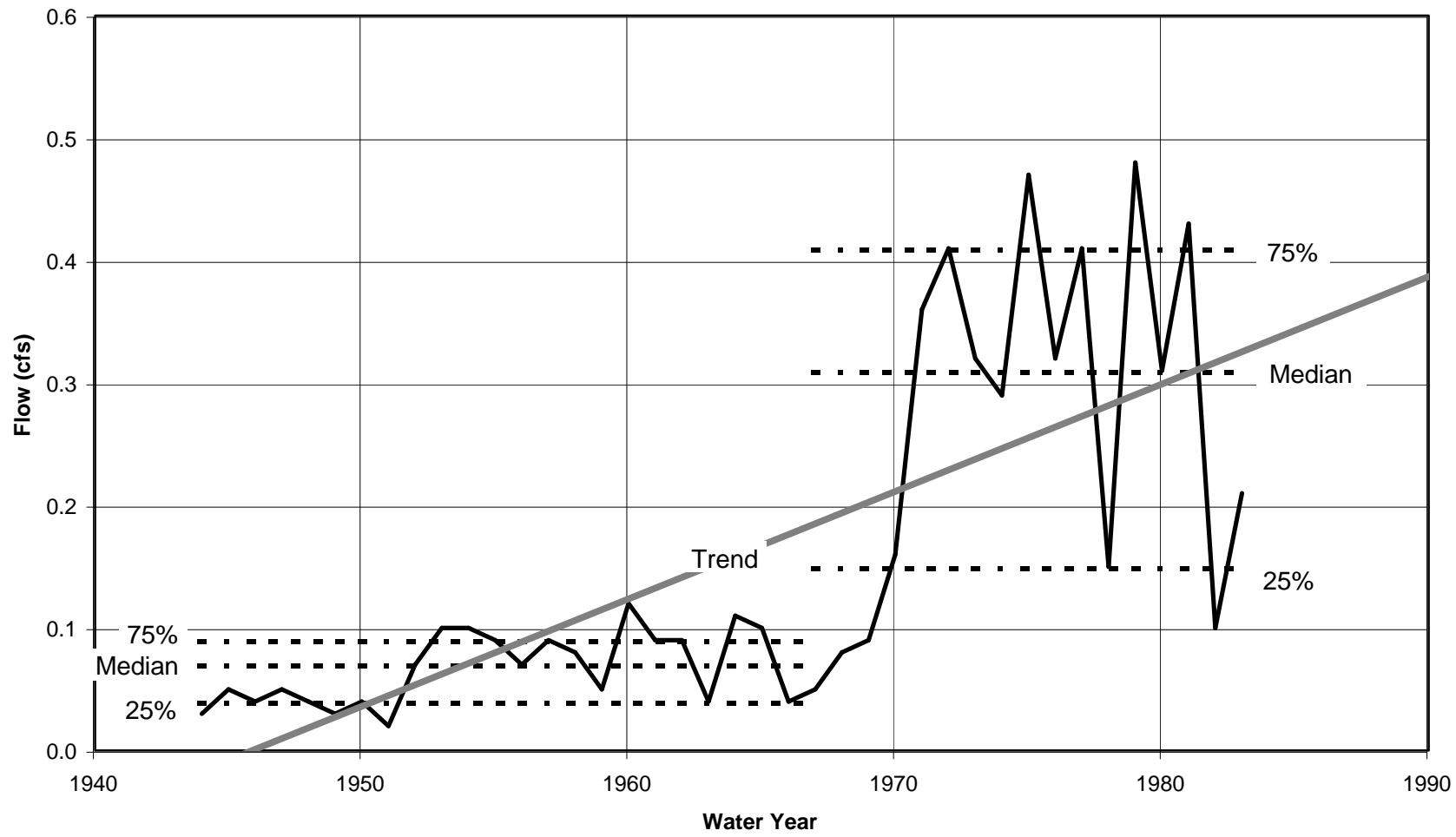
11425000 - Feather River near Nicolaus
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
90-Day Maximum



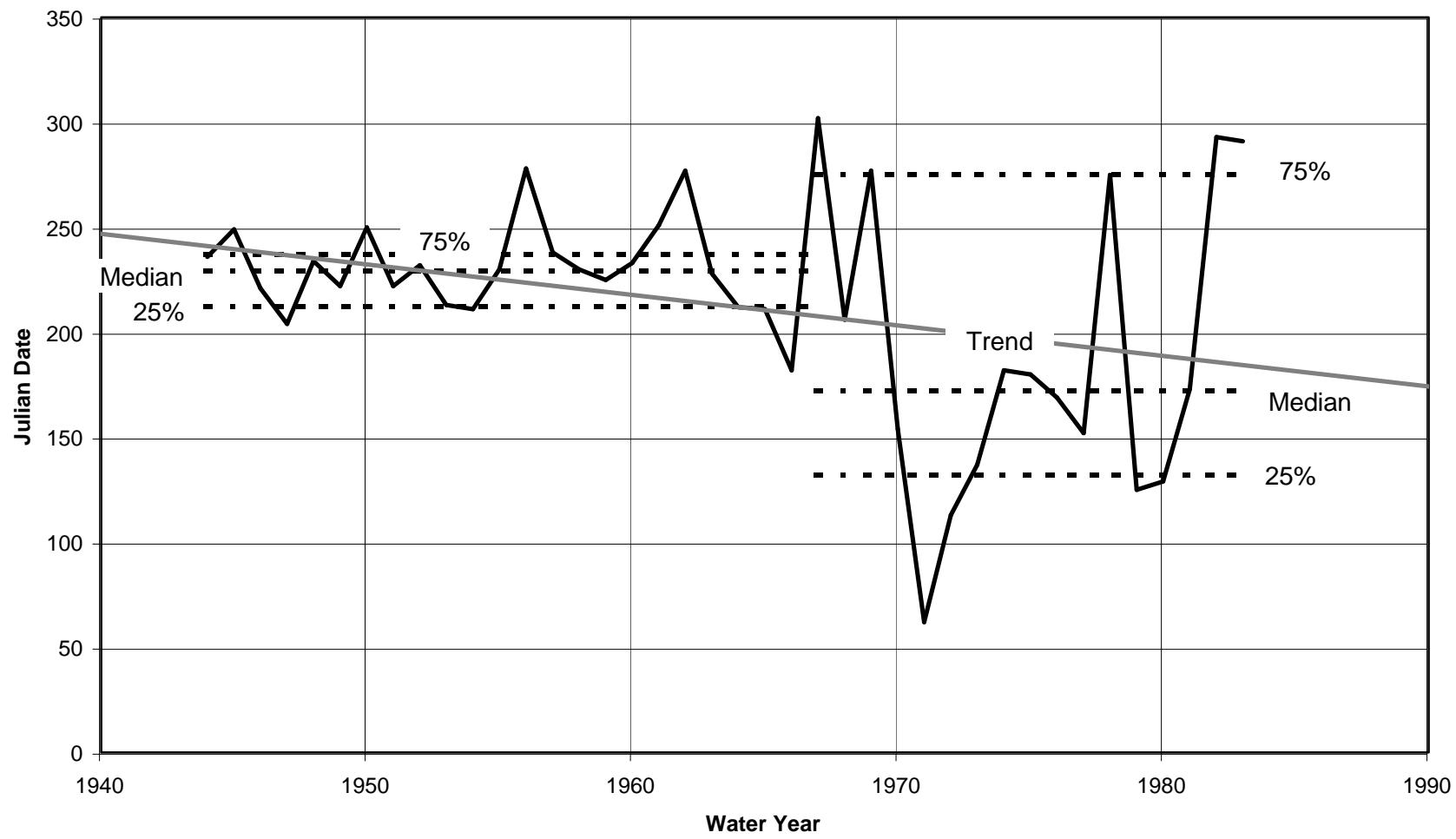
11425000 - Feather River near Nicolaus
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
Zero Days



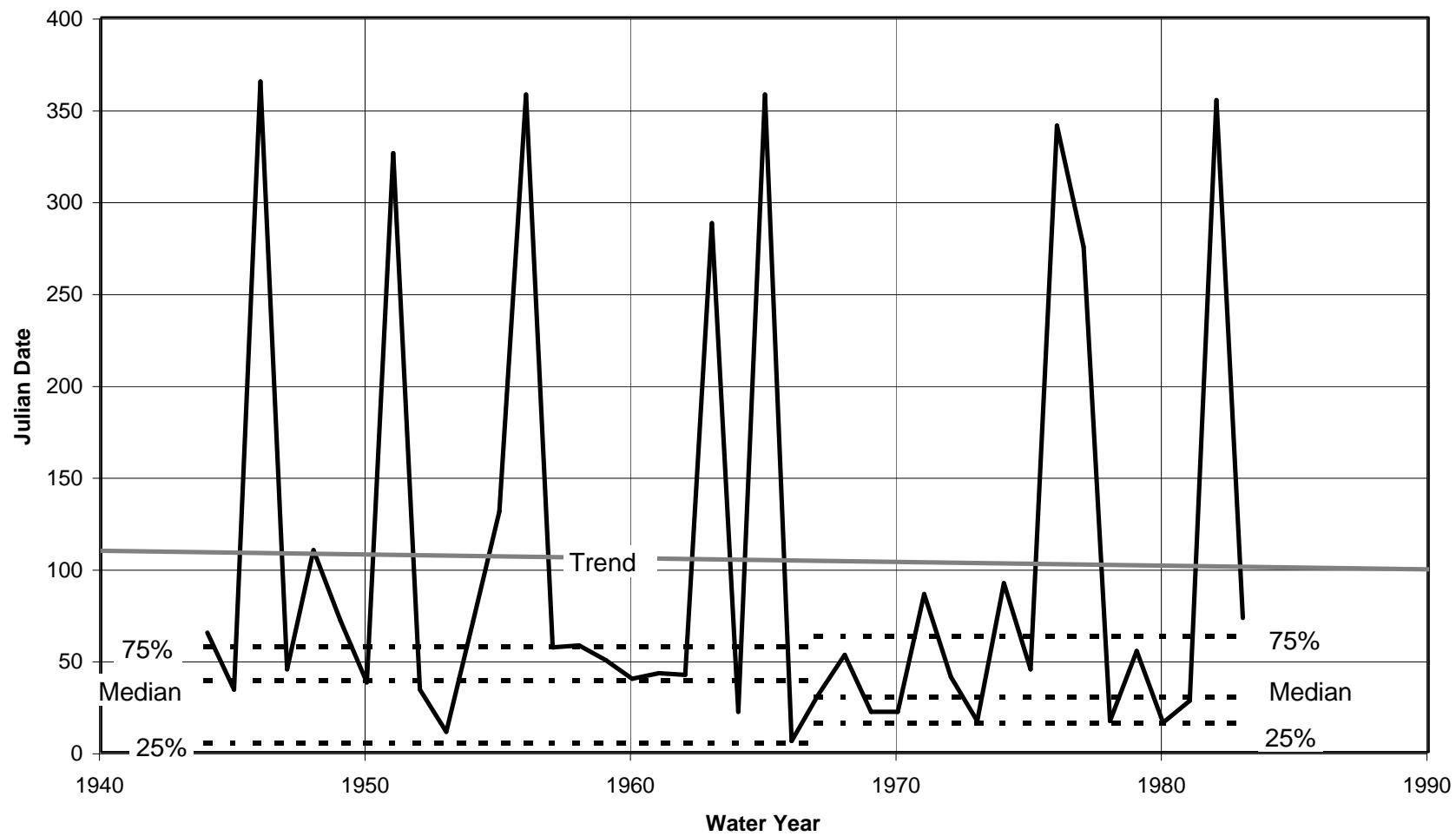
11425000 - Feather River near Nicolaus
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
Base Flow



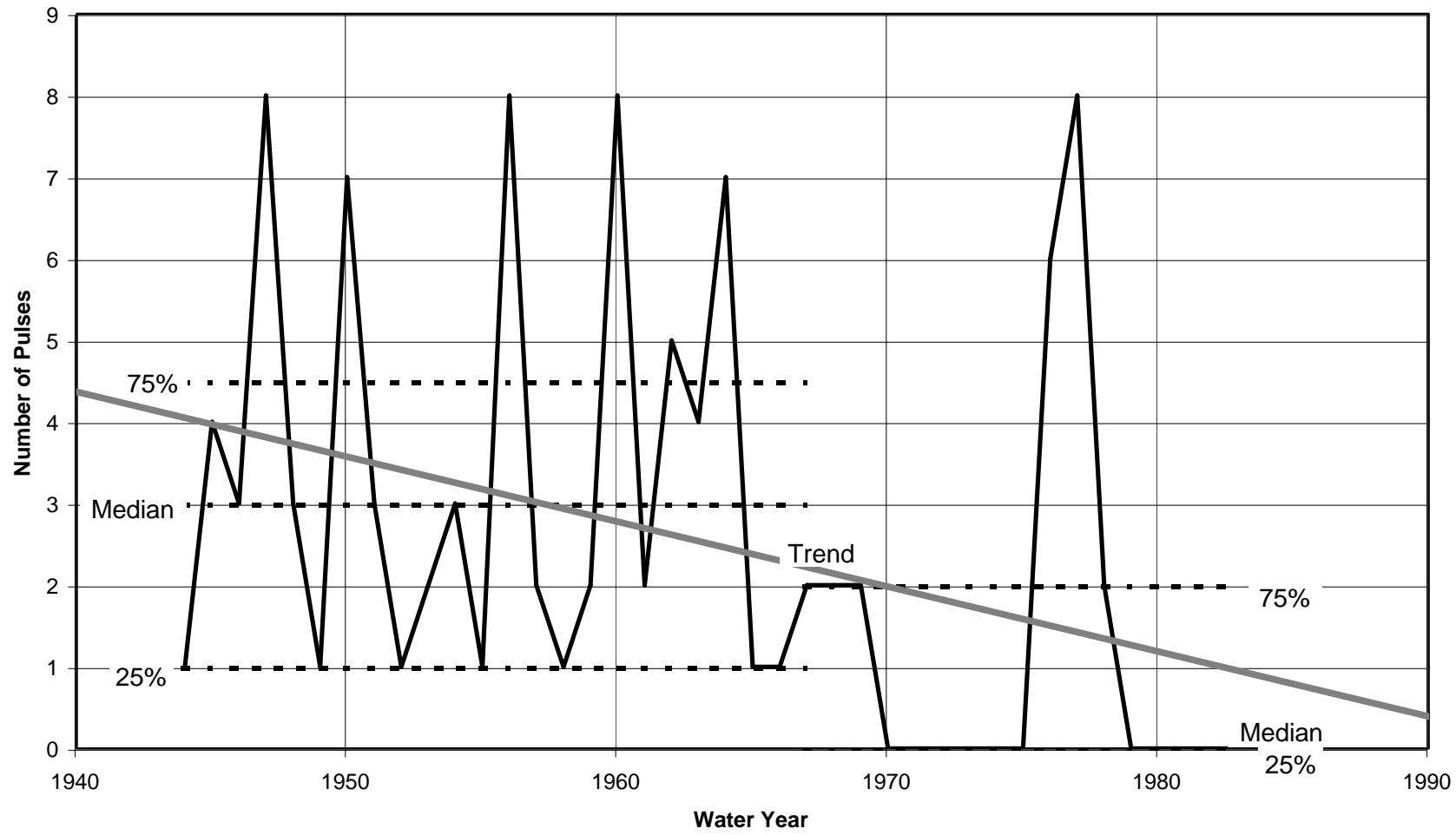
11425000 - Feather River near Nicolaus
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
Julian Date of Minimum



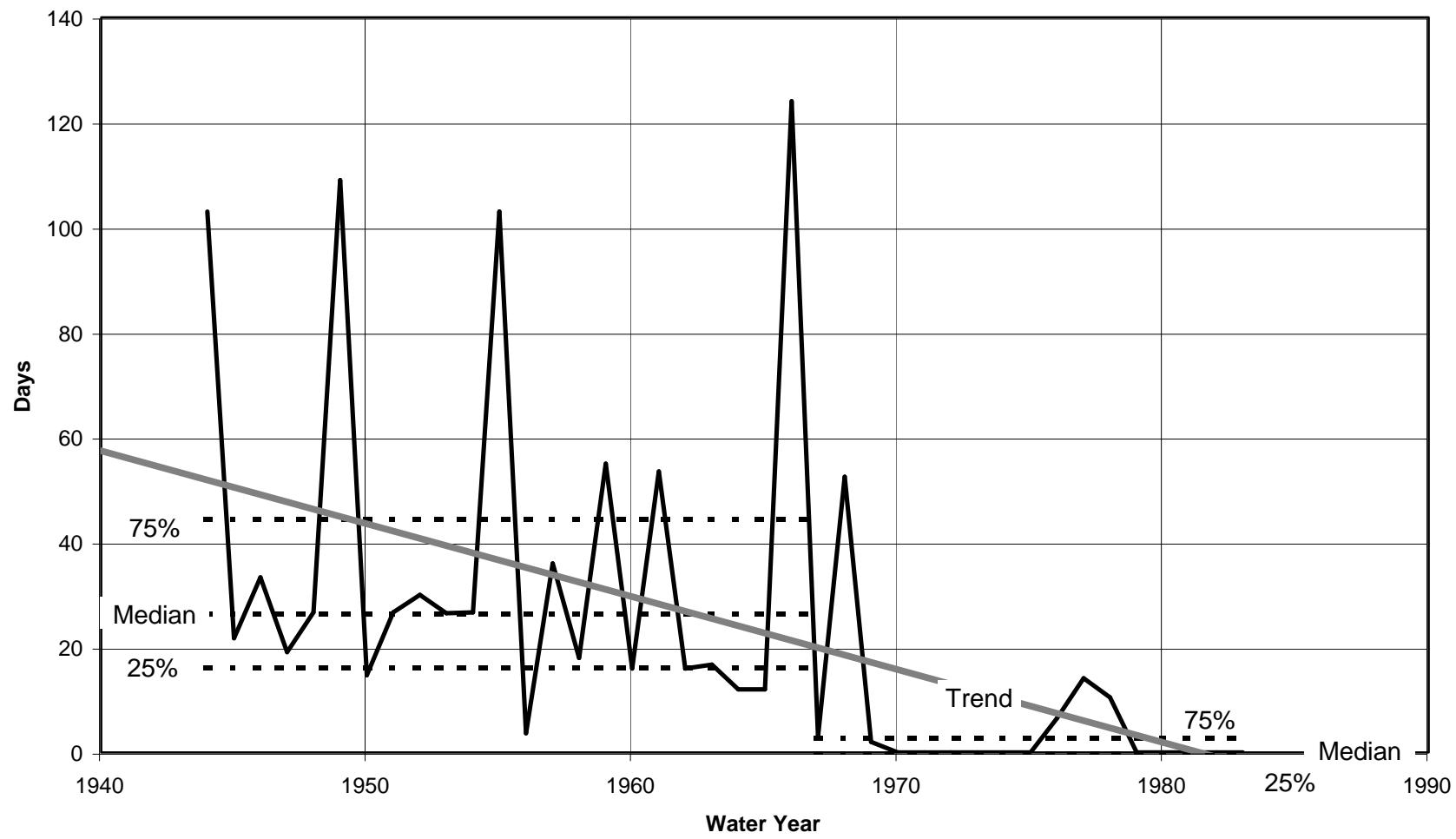
11425000 - Feather River near Nicolaus
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
Julian Date of Maximum



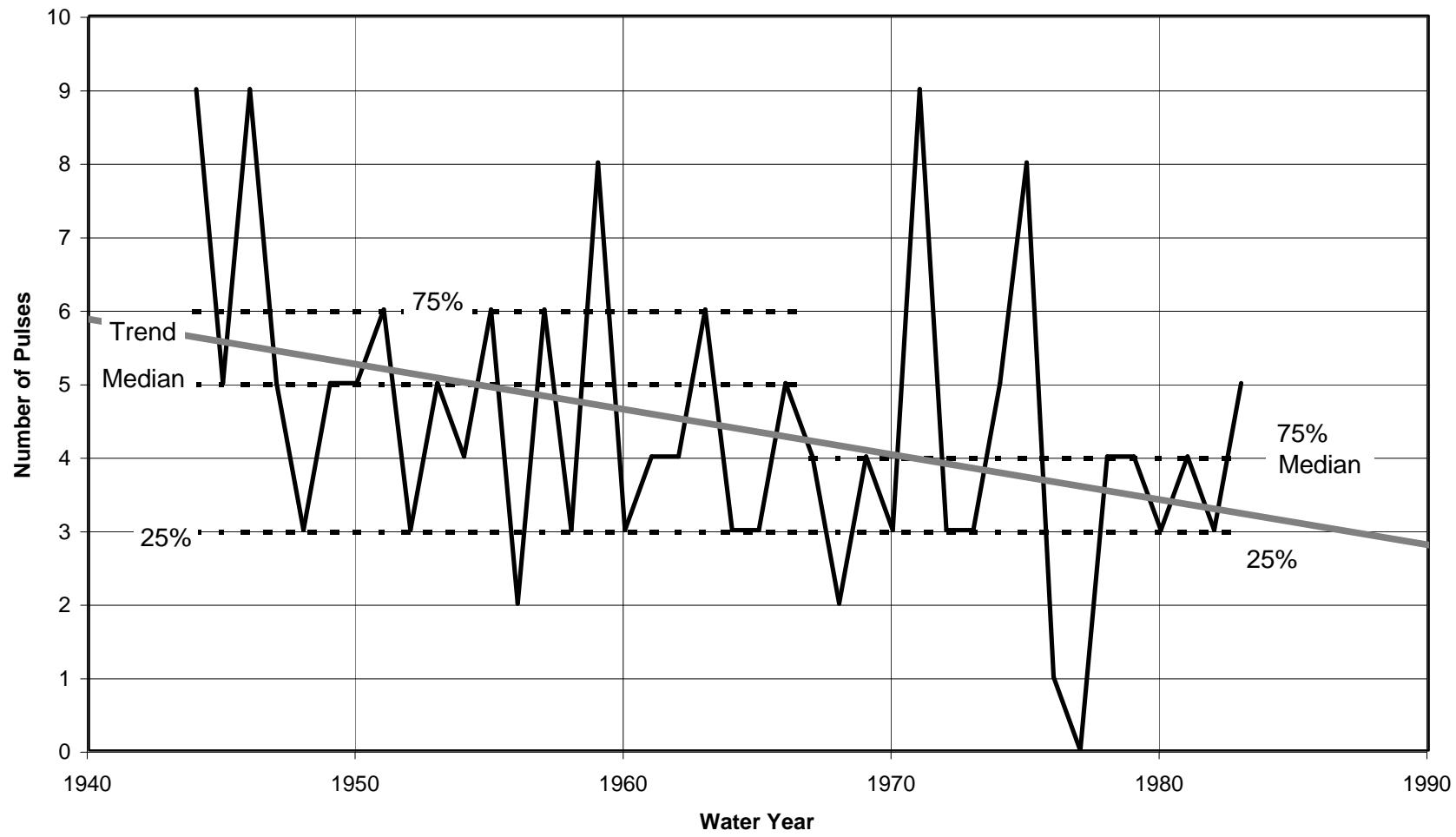
11425000 - Feather River near Nicolaus
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
Low Pulse Number



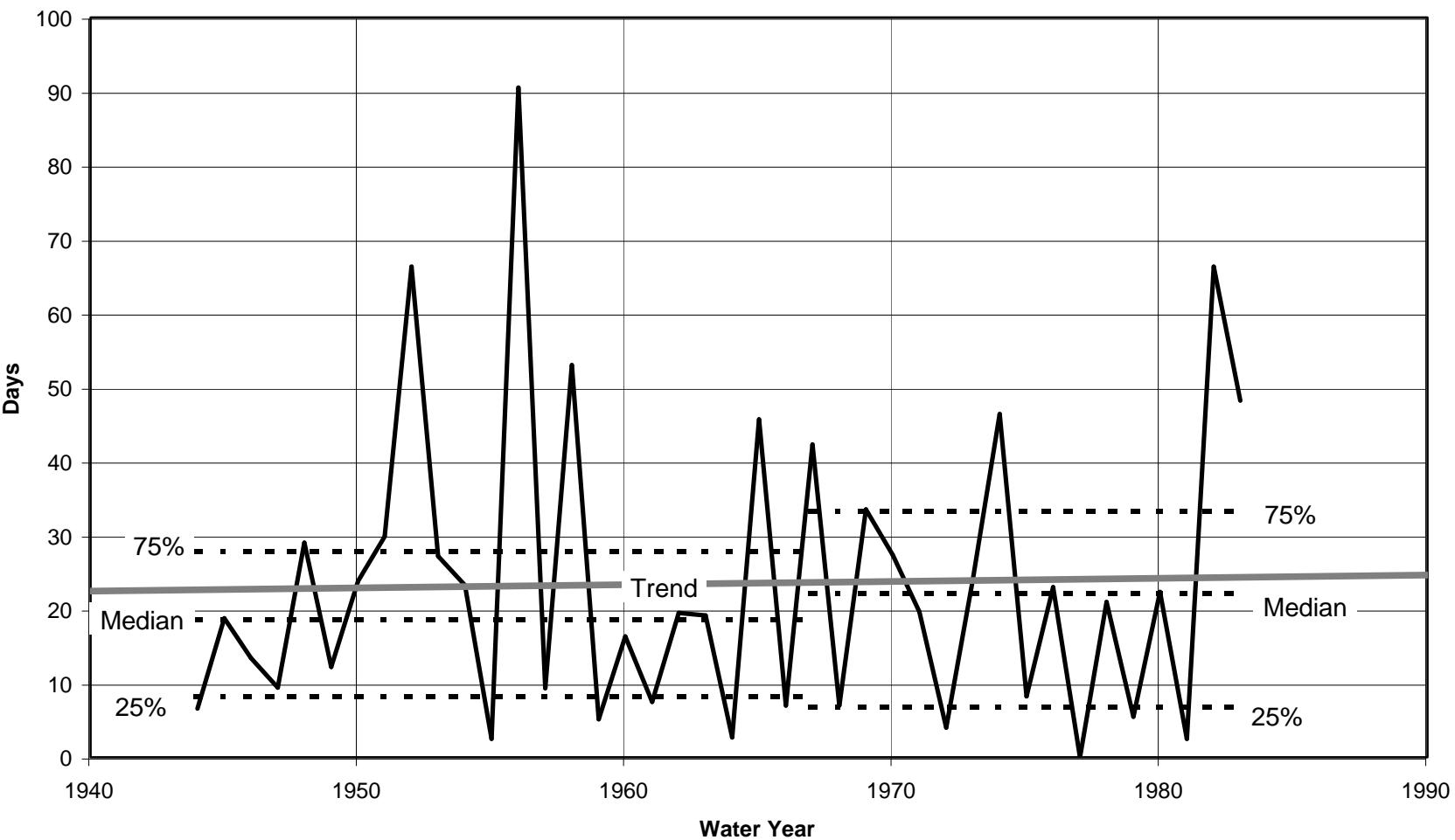
11425000 - Feather River near Nicolaus
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
Low Pulse Length



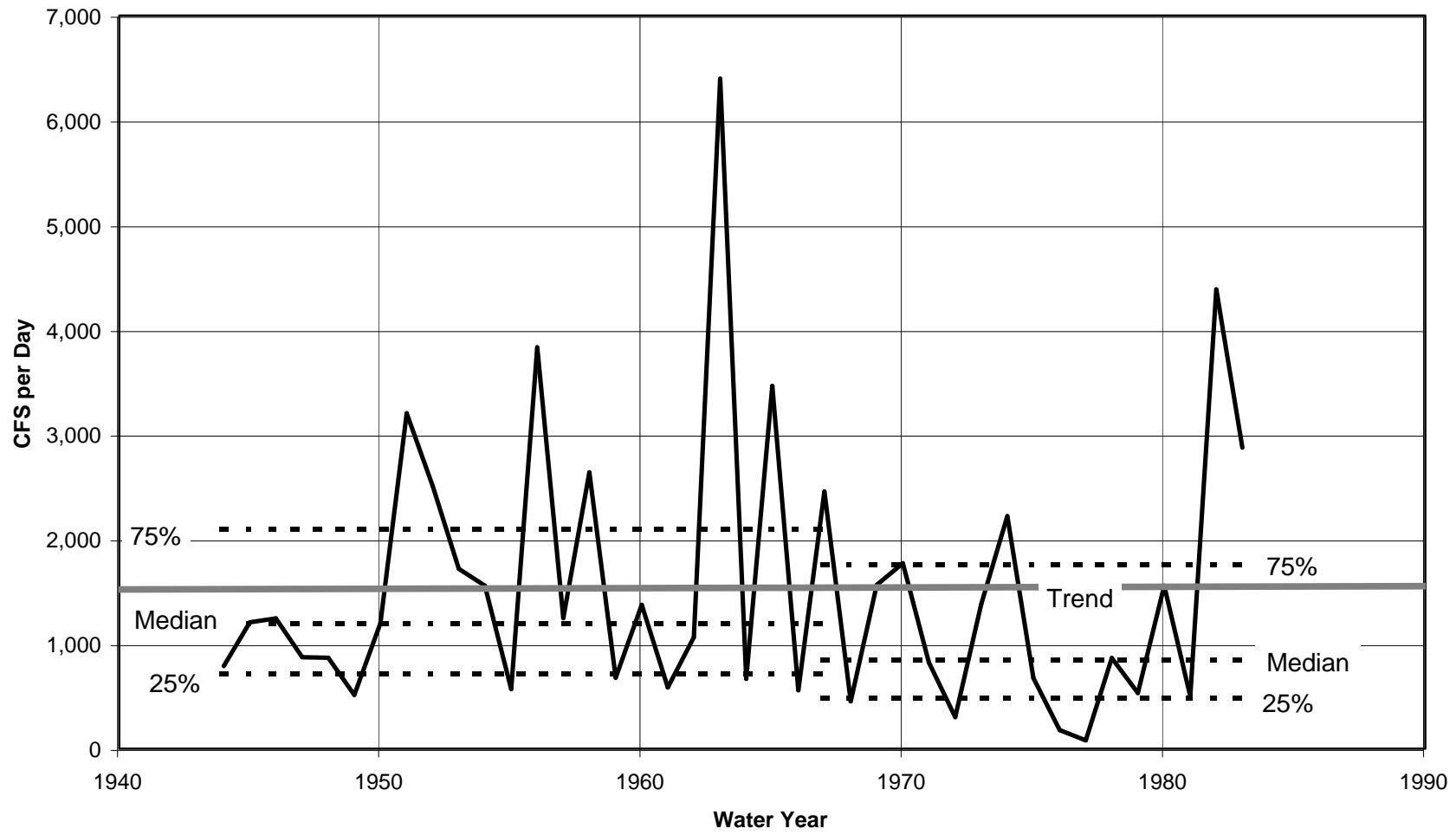
11425000 - Feather River near Nicolaus
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
High Pulse Number



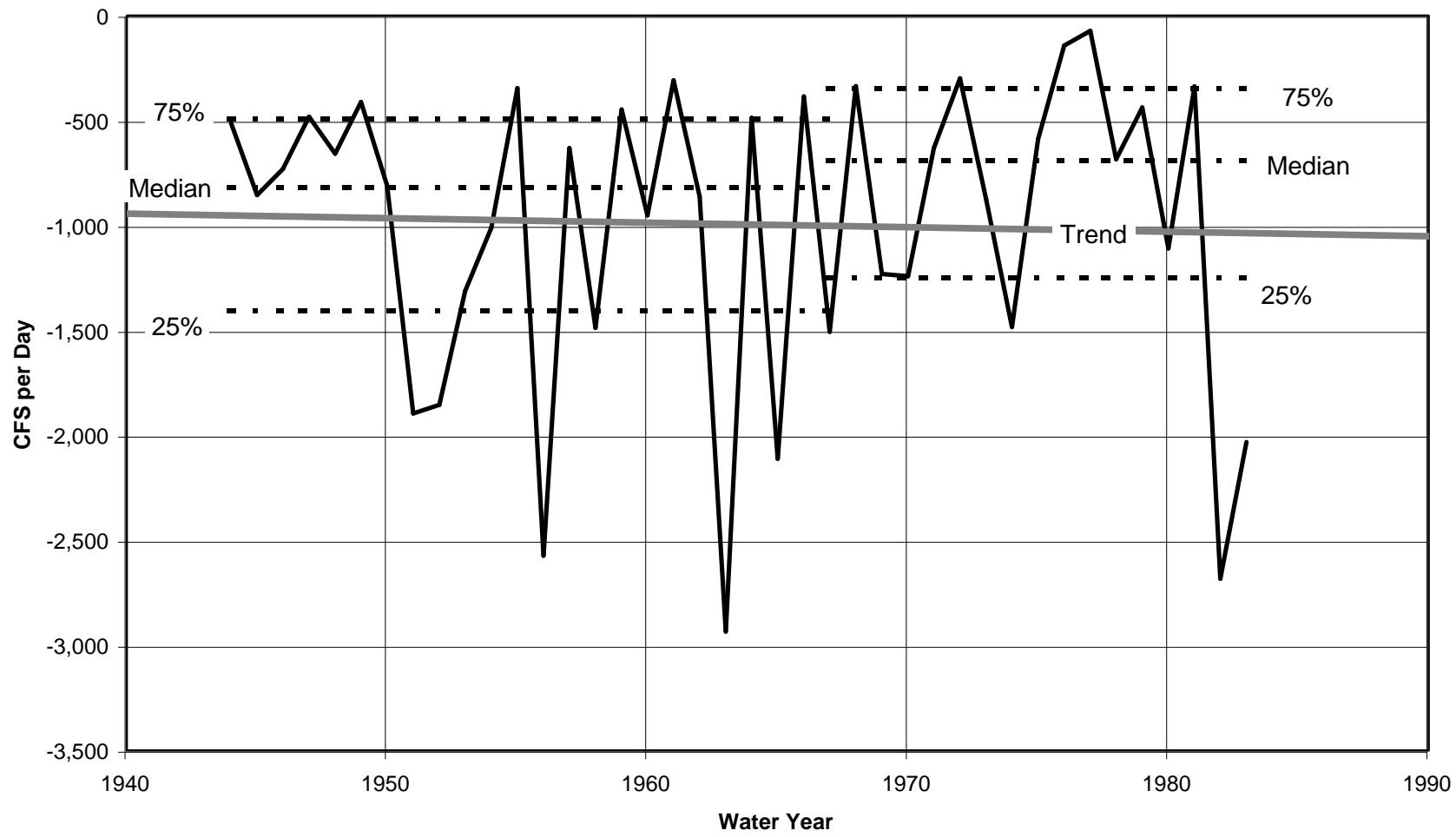
11425000 - Feather River near Nicolaus
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
High Pulse Length



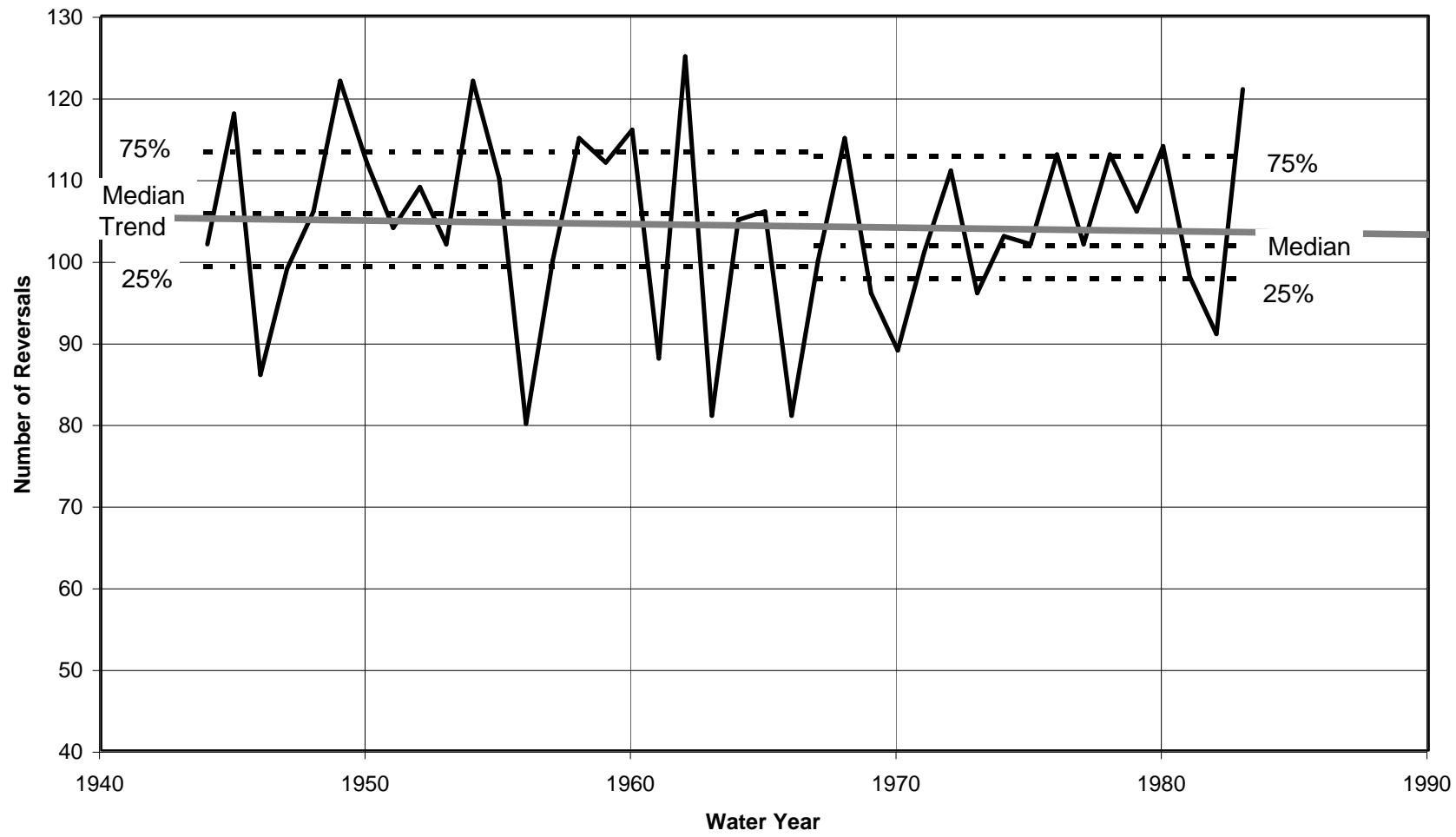
11425000 - Feather River near Nicolaus
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
Rise Rate



11425000 - Feather River near Nicolaus
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
Fall Rate



11425000 - Feather River near Nicolaus
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
Number of Reversals



IHA Non-Parametric RVA Scorecard

11425000 - Feather River

Parameter Group # 5												
Rise rate	1207.3	1.51	513.6	6395.5	865.8	1.75	79	4384.5	678.22	2506.78	-0.17	
Fall rate	-809.9	-1.24	-2934.1	-308.4	-683.8	-1.5	-2682.1	-72.7	-1487.3	-481.8	-0.17	
Number of reversals	106	0.15	80	125	102	0.16	89	121	99	115	0.14	

Comparison of Statistics Above and Below RVA Range

	Within RVA Range			Above RVA Range			Below RVA Range			
	Expected	Observed	Alteration	Expected	Observed	Alteration	Expected	Observed	Alteration	
Parameter Group #1										
October	9.61	4	-0.58	3.7	11	1.98	3.7	2	-0.46	
November	9.61	4	-0.58	3.7	9	1.44	3.7	4	0.08	
December	9.61	9	-0.06	3.7	5	0.35	3.7	3	-0.19	
January	9.61	7	-0.27	3.7	8	1.16	3.7	2	-0.46	
February	9.61	7	-0.27	3.7	4	0.08	3.7	6	0.62	
March	9.61	4	-0.58	3.7	6	0.62	3.7	7	0.89	
April	9.61	4	-0.58	3.7	3	-0.19	3.7	10	1.71	
May	9.61	5	-0.48	3.7	3	-0.19	3.7	9	1.44	
June	9.61	6	-0.38	3.7	7	0.89	3.7	4	0.08	
July	9.61	0	-1	3.7	16	3.33	3.7	1	-0.73	
August	9.61	1	-0.9	3.7	16	3.33	3.7	0	-1	
September	9.61	2	-0.79	3.7	15	3.06	3.7	0	-1	
Parameter Group #2										
1-day minimum	9.61	4	-0.58	3.7	13	2.52	3.7	0	-1	
3-day minimum	9.61	3	-0.69	3.7	14	2.79	3.7	0	-1	
7-day minimum	9.61	2	-0.79	3.7	14	2.79	3.7	1	-0.73	
30-day minimum	9.61	2	-0.79	3.7	15	3.06	3.7	0	-1	
90-day minimum	9.61	1	-0.9	3.7	16	3.33	3.7	0	-1	
1-day maximum	9.61	7	-0.27	3.7	4	0.08	3.7	6	0.62	
3-day maximum	9.61	5	-0.48	3.7	6	0.62	3.7	6	0.62	
7-day maximum	9.61	6	-0.38	3.7	6	0.62	3.7	5	0.35	
30-day maximum	9.61	5	-0.48	3.7	5	0.35	3.7	7	0.89	
90-day maximum	9.61	5	-0.48	3.7	6	0.62	3.7	6	0.62	
Number of zero days	17	17	0	0	0	0	0	0	0	
Base flow	9.61	3	-0.69	3.7	14	2.79	3.7	0	-1	
Parameter Group #3										
Date of minimum	9.61	0	-1	3.7	5	0.35	3.7	12	2.25	
Date of maximum	9.61	7	-0.27	3.7	3	-0.19	3.7	7	0.89	
Parameter Group #4										
Low Pulse Count	13.3	4	-0.7	3.7	2	-0.46	0	11	0	
Low Pulse Duration	10.35	1	-0.9	3.7	0	-1	2.96	16	4.41	
High Pulse Count	14.04	12	-0.15	2.22	2	-0.1	0.74	3	3.06	
High Pulse Duration	9.61	7	-0.27	3.7	5	0.35	3.7	5	0.35	
Parameter Group #5										
Rise rate	9.61	8	-0.17	3.7	2	-0.46	3.7	7	0.89	
Fall rate	9.61	8	-0.17	3.7	6	0.62	3.7	3	-0.19	
Number of reversals	9.61	11	0.14	3.7	1	-0.73	3.7	5	0.35	

**Table 5A – Alteration in Magnitude of Mean Monthly Flows
from Pre-Oroville to Post-Oroville Dam**

Hydrologic Parameters	Combined Oroville and Thermalito Afterbay Gages 11407000 and 11406920
Mean October flow	Small – Flows shifted into 75% -100% percentile range of pre-Oroville baseline
Mean November flow	Small – Flows shifted to slightly below median of pre-Oroville baseline
Mean December flow	Small – Flows shifted to slightly below median of pre-Oroville baseline
Mean January flow	Small – Flows shifted into 25%-50% percentile range of pre-Oroville baseline
Mean February flow	Small – Flows shifted into 25%-50% percentile range of pre-Oroville baseline
Mean March flow	Small – Flows shifted into 25%-50% percentile range of pre-Oroville baseline
Mean April flow	Moderate – Flows shifted into 0%-25% percentile range of pre-Oroville baseline
Mean May flow	Moderate – Flows shifted into 0%-25% percentile range of pre-Oroville baseline
Mean June flow	Small – Flows shifted into 25%-50% percentile range of pre-Oroville baseline
Mean July flow	Moderate – Flows shifted into 75% -100% percentile range of pre-Oroville baseline
Mean August flow	Large – Flows shifted into 75% -100% percentile range of pre-Oroville baseline
Mean September flow	Moderate – Flows shifted into 75% -100% percentile range of pre-Oroville baseline

Table 5B – Alteration in Magnitude and Duration of Annual Extreme Discharges from Pre-Oroville to Post-Oroville Dam

Hydrologic Parameters	Combined Oroville and Thermalito Afterbay Gages 11407000 and 11406920
Annual 1-day mean minimum flow	Small – Flows shifted slightly below median of pre-Oroville baseline
Annual 3-day mean minimum flow	Small – Flows shifted into 25%-50% percentile range of pre-Oroville baseline
Annual 7-day mean minimum flow	Small – Flows shifted into 25%-50% percentile range of pre-Oroville baseline
Annual 30-day mean minimum flow	Small – Flows shifted into 25%-50% percentile range of pre-Oroville baseline
Annual 90-day mean minimum flow	Small – Flows shifted slightly above median of pre-Oroville baseline
Annual 1-day mean maximum flow	Moderate – Flows shifted into 0%-25% percentile range of pre-Oroville baseline
Annual 3-day mean maximum flow	Small – Flows shifted into 25%-50% percentile range of pre-Oroville baseline
Annual 7-day mean maximum flow	Small – Flows shifted into 25%-50% percentile range of pre-Oroville baseline
Annual 30-day mean maximum flow	Small – Flows shifted into 25%-50% percentile range of pre-Oroville baseline
Annual 90-day mean maximum flow	Small – Flows shifted into 25%-50% percentile range of pre-Oroville baseline
Number of zero days	No change
Base flow (7-day minimum over mean annual flow)	Small – Flows shifted into 50% -75% percentile range of pre-Oroville baseline

Table 5C – Alteration in Timing of Minimums, Maximums from Pre-Oroville to Post-Oroville Dam

Hydrologic Parameters	Combined Oroville and Thermalito Afterbay Gages 11407000 and 11406920
Julian date of each annual 1-day minimum	Moderate – Dates shifted into 0%-25% percentile range of pre-Oroville baseline
Julian date of each annual 1-day maximum	Small – Dates shifted slightly into 75% -100% percentile range of pre-Oroville baseline

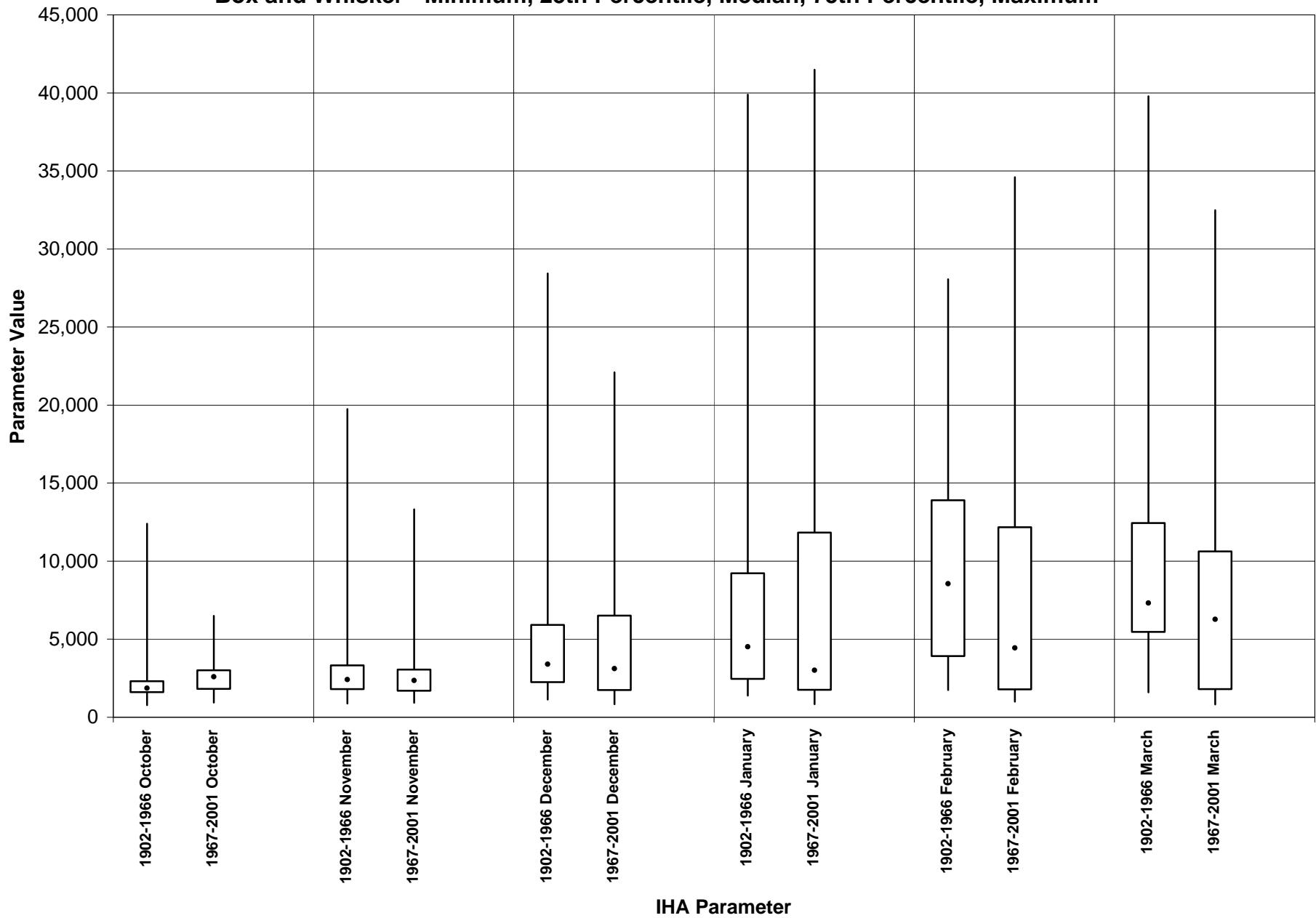
Table 5D – Alteration in Frequency and Duration of High and Small Pulses from Pre-Oroville to Post-Oroville Dam

Hydrologic Parameters	Combined Oroville and Thermalito Afterbay Gages 11407000 and 11406920
Number of low pulses (below 25 th percentile) each year	Large – Pulses shifted into 0%-25% percentile range of pre-Oroville baseline
Mean duration of low pulses within each year (days)	Moderate – Durations shifted into 75% -100% percentile range of pre-Oroville baseline
Number of high pulses (above 75 th percentile) each year	Moderate – Pulses shifted into 0%-25% percentile range of pre-Oroville baseline
Mean duration of high pulses within each year (days)	Small – Durations shifted to slightly below median of pre-Oroville baseline

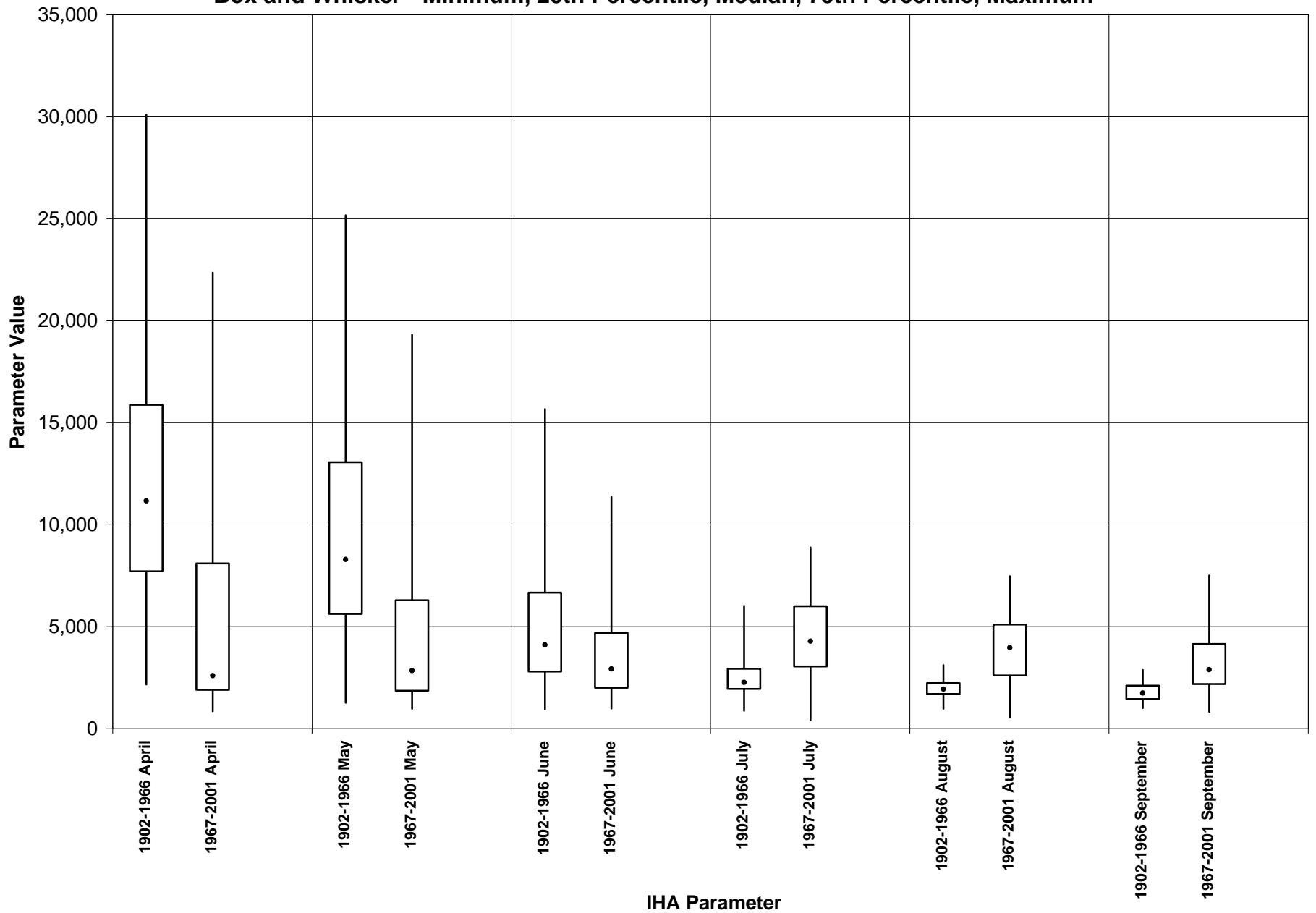
Table 5E – Alteration in Rate and Frequency of Hydrograph Changes from Pre-Oroville to Post-Oroville Dam

Hydrologic Parameters	Combined Oroville and Thermalito Afterbay Gages 11407000 and 11406920
Means of all positive differences between consecutive daily values (rise rate)	Moderate – Rates shifted into 0%-25% percentile range of pre-Oroville baseline
Means of all negative differences between consecutive daily values (fall rate)	Moderate – Rates shifted into 75% -100% percentile range of pre-Oroville baseline
Number of reversals	Moderate – Reversals shifted into 75% -100% percentile range of pre-Oroville baseline

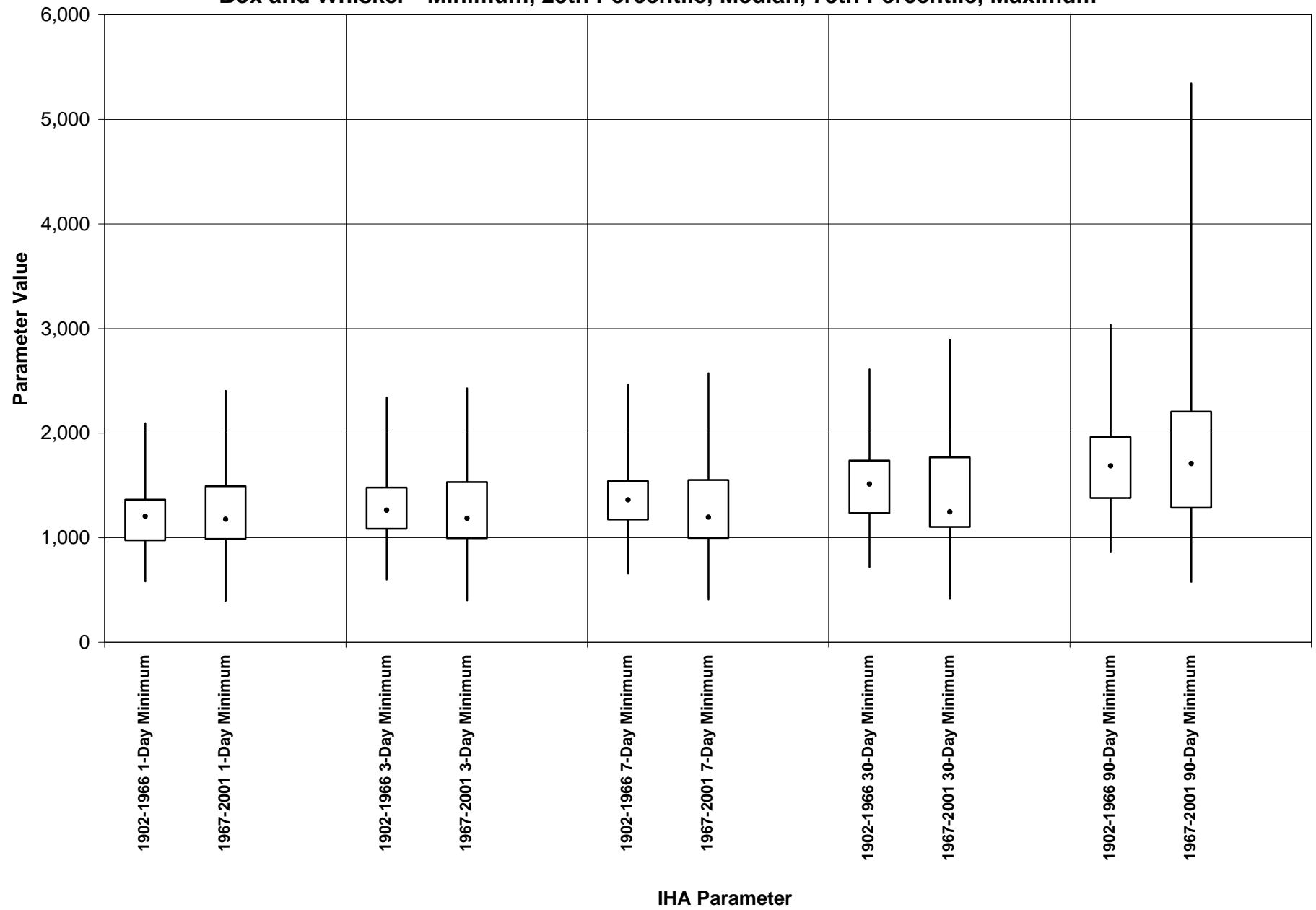
Combined 11407000 & 11406920 - Feather River
IHA NonParametric Analysis - Oroville Dam Impact Year
Box and Whisker - Minimum, 25th Percentile, Median, 75th Percentile, Maximum



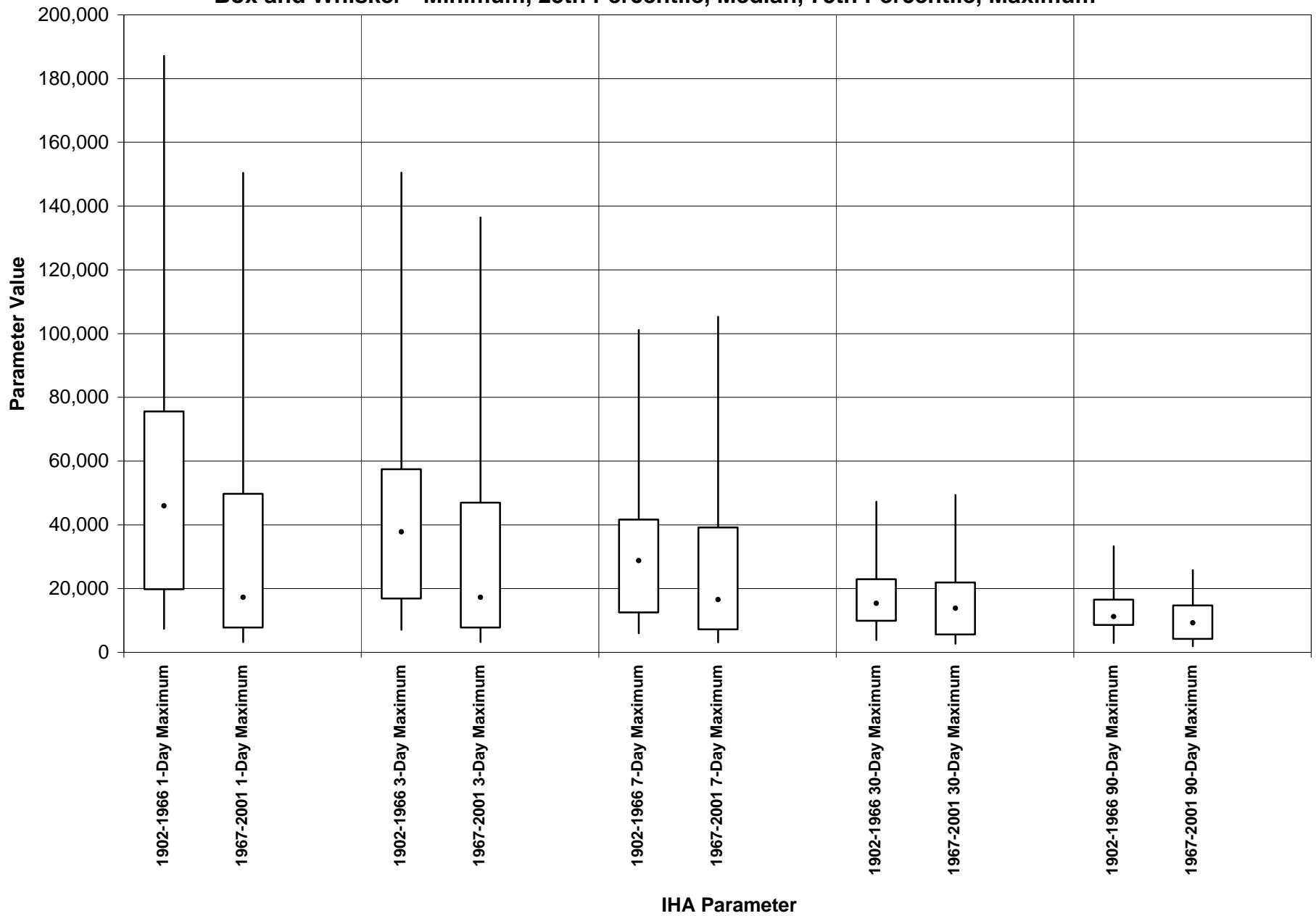
Combined 11407000 & 11406920 - Feather River
IHA NonParametric Analysis - Oroville Dam Impact Year
Box and Whisker - Minimum, 25th Percentile, Median, 75th Percentile, Maximum



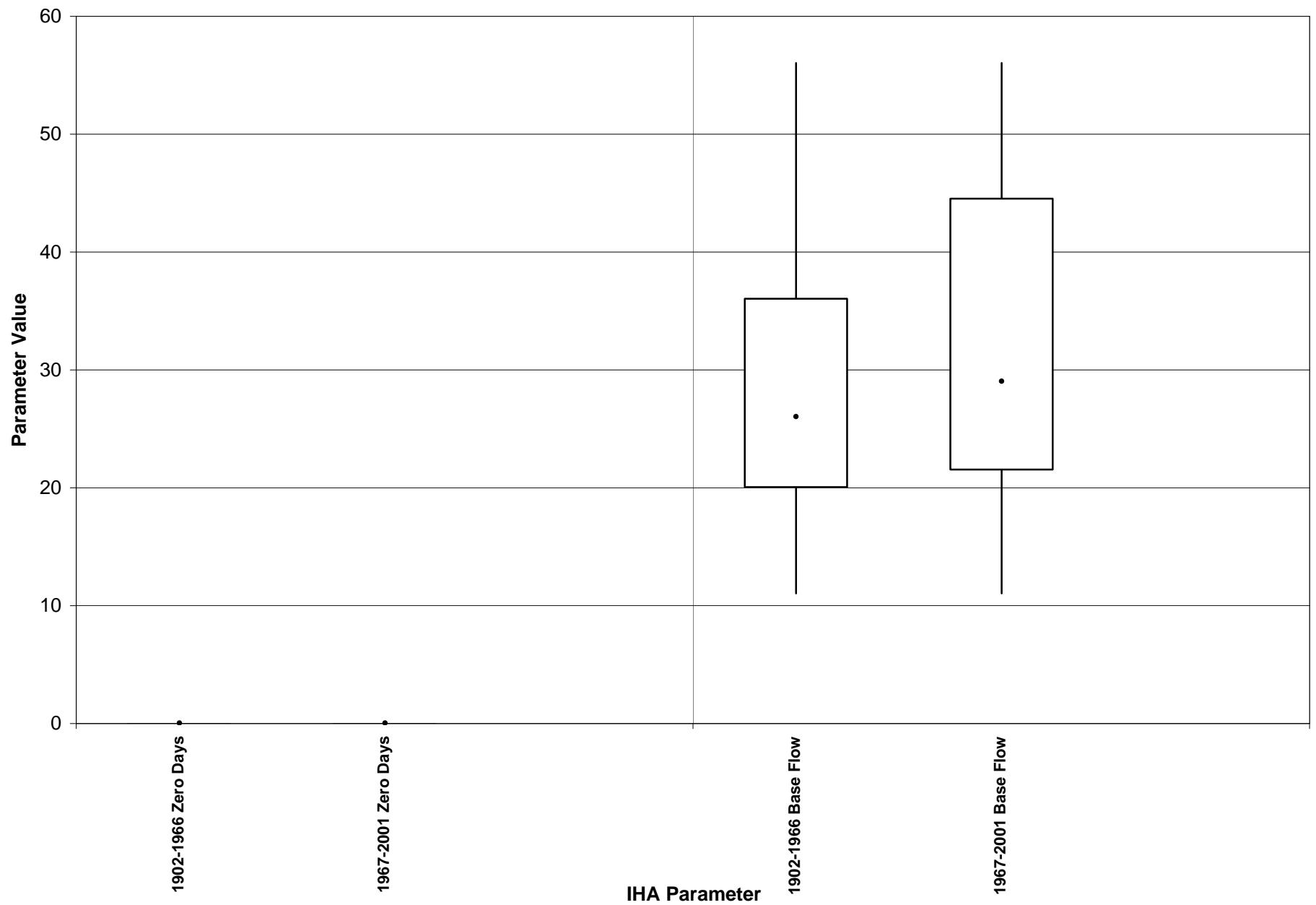
Combined 11407000 & 11406920 - Feather River
IHA NonParametric Analysis - Oroville Dam Impact Year
Box and Whisker - Minimum, 25th Percentile, Median, 75th Percentile, Maximum



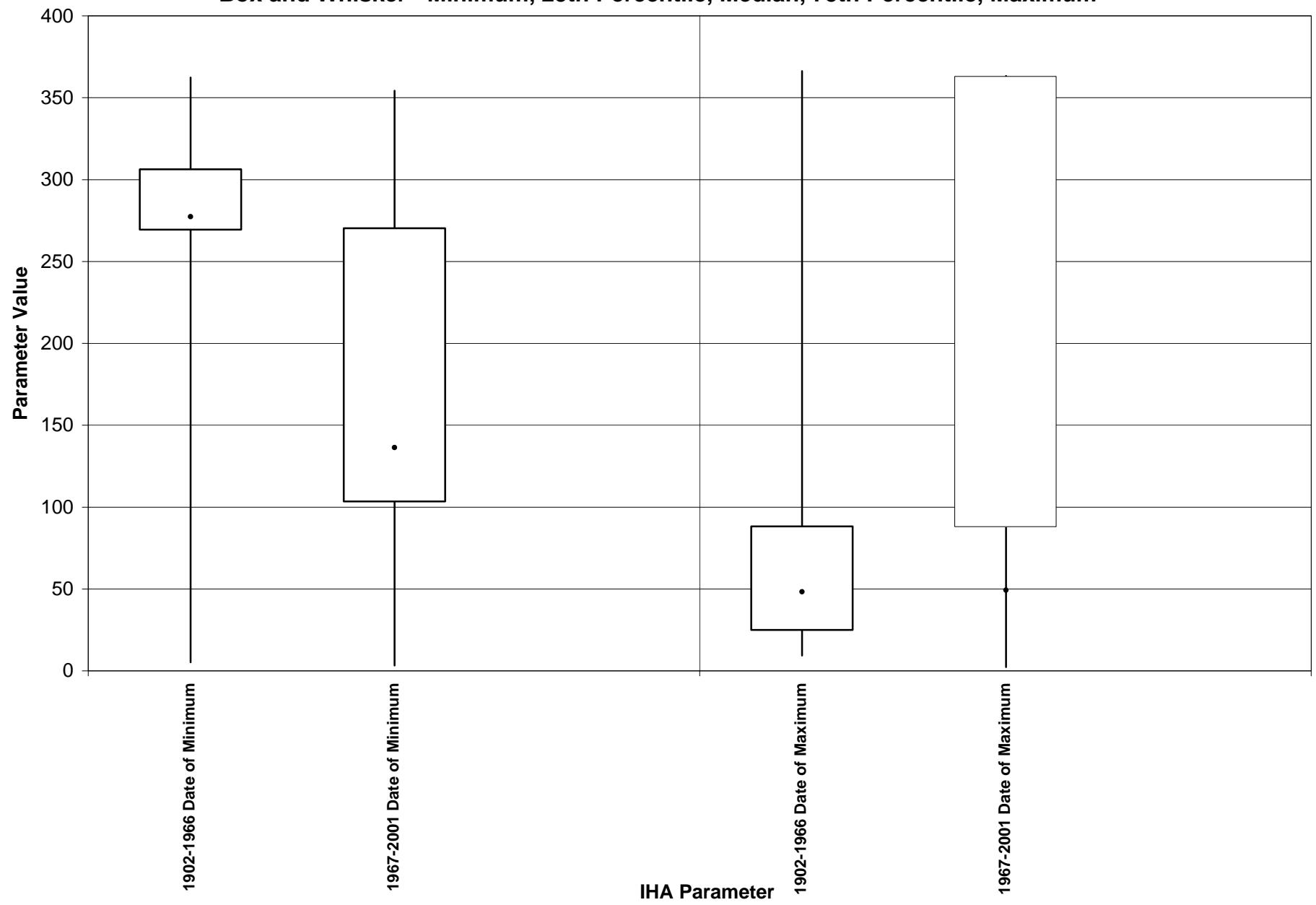
Combined 11407000 & 11406920 - Feather River
IHA NonParametric Analysis - Oroville Dam Impact Year
Box and Whisker - Minimum, 25th Percentile, Median, 75th Percentile, Maximum



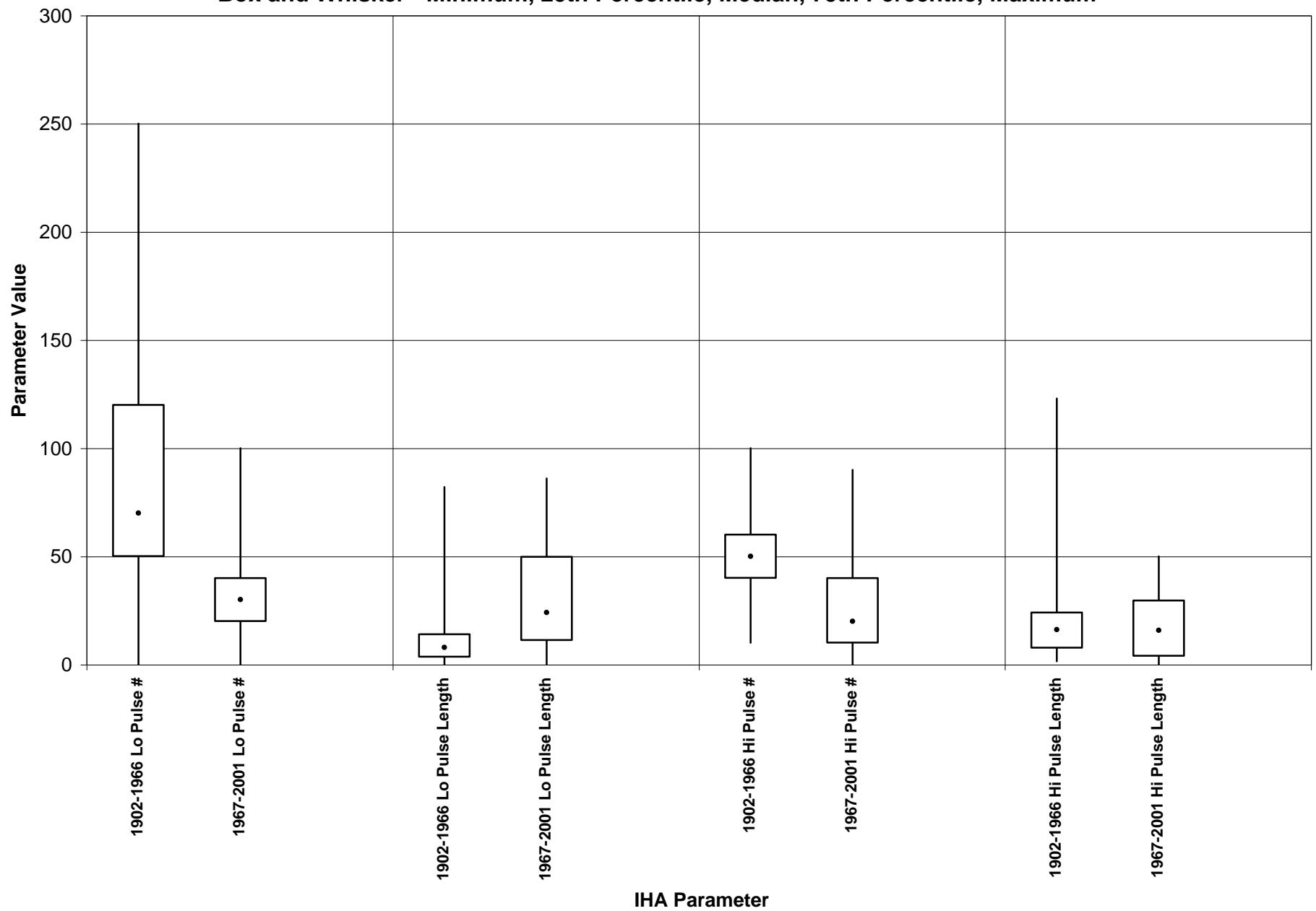
**Combined 11407000 & 11406920 - Feather River
IHA NonParametric Analysis - Oroville Dam Impact Year
Box and Whisker - Minimum, 25th Percentile, Median, 75th Percentile, Maximum**



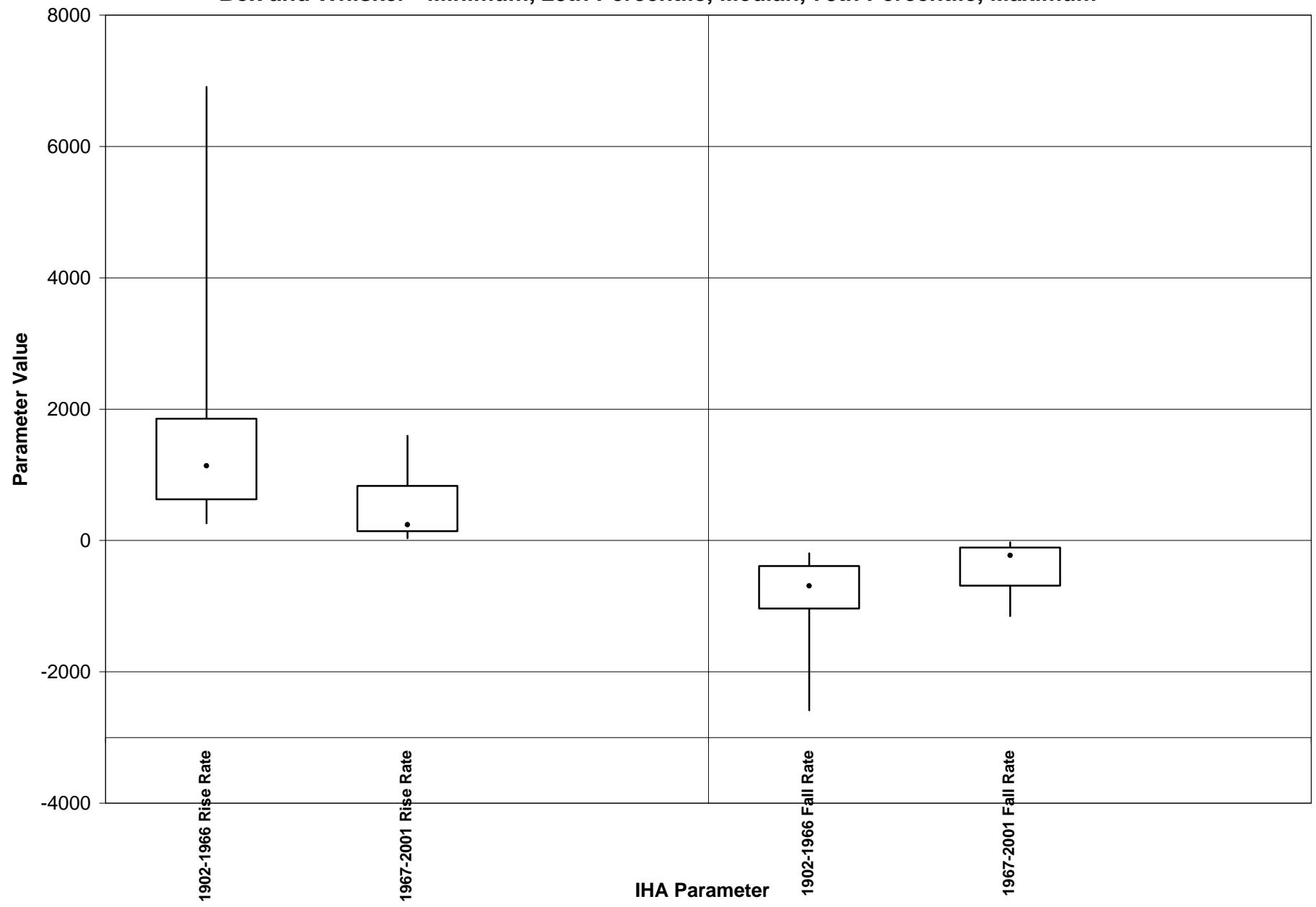
**Combined 11407000 & 11406920 - Feather River
IHA NonParametric Analysis - Oroville Dam Impact Year
Box and Whisker - Minimum, 25th Percentile, Median, 75th Percentile, Maximum**



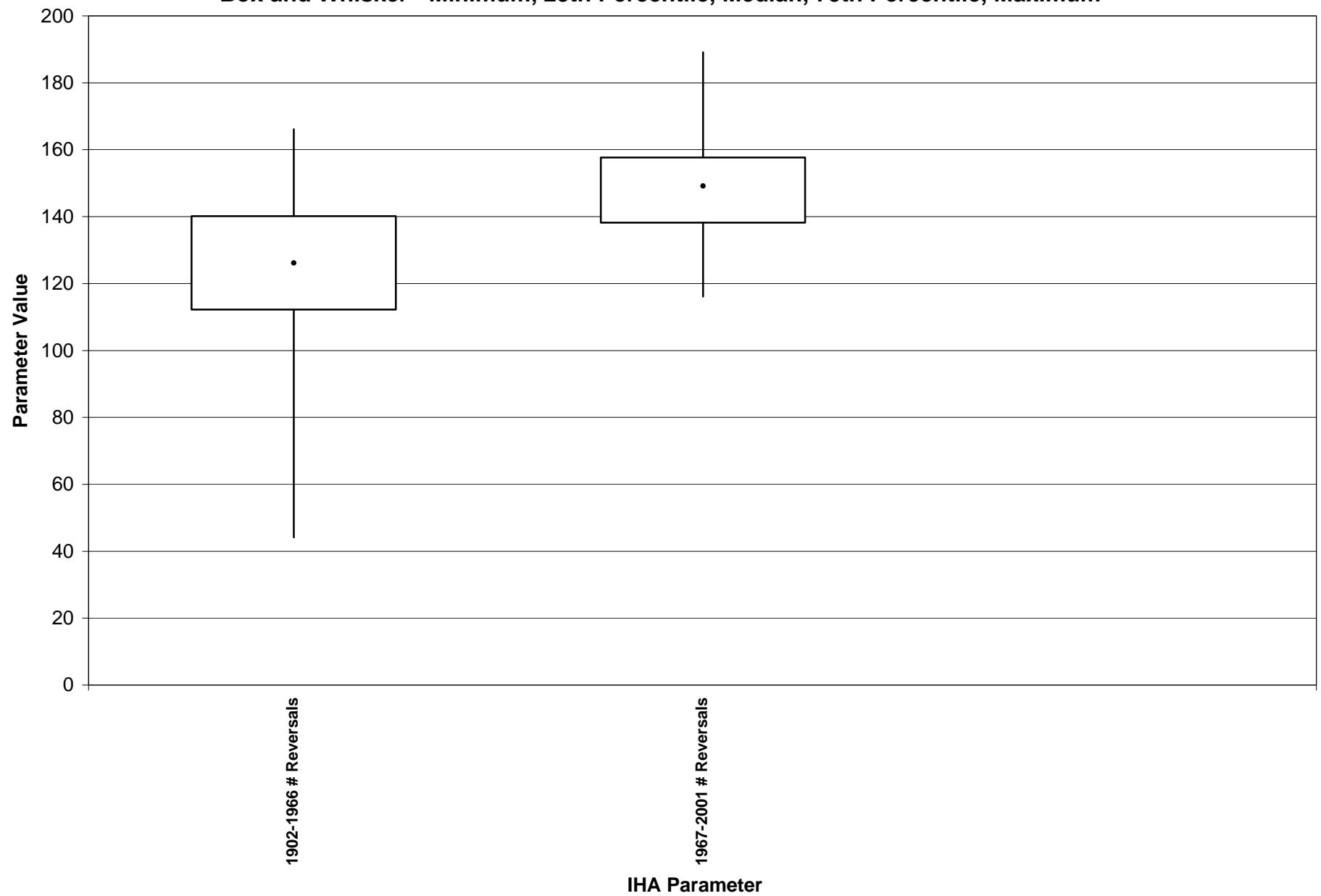
Combined 11407000 & 11406920 - Feather River
IHA NonParametric Analysis - Oroville Dam Impact Year
Box and Whisker - Minimum, 25th Percentile, Median, 75th Percentile, Maximum



Combined 11407000 & 11406920 - Feather River
IHA NonParametric Analysis - Oroville Dam Impact Year
Box and Whisker - Minimum, 25th Percentile, Median, 75th Percentile, Maximum

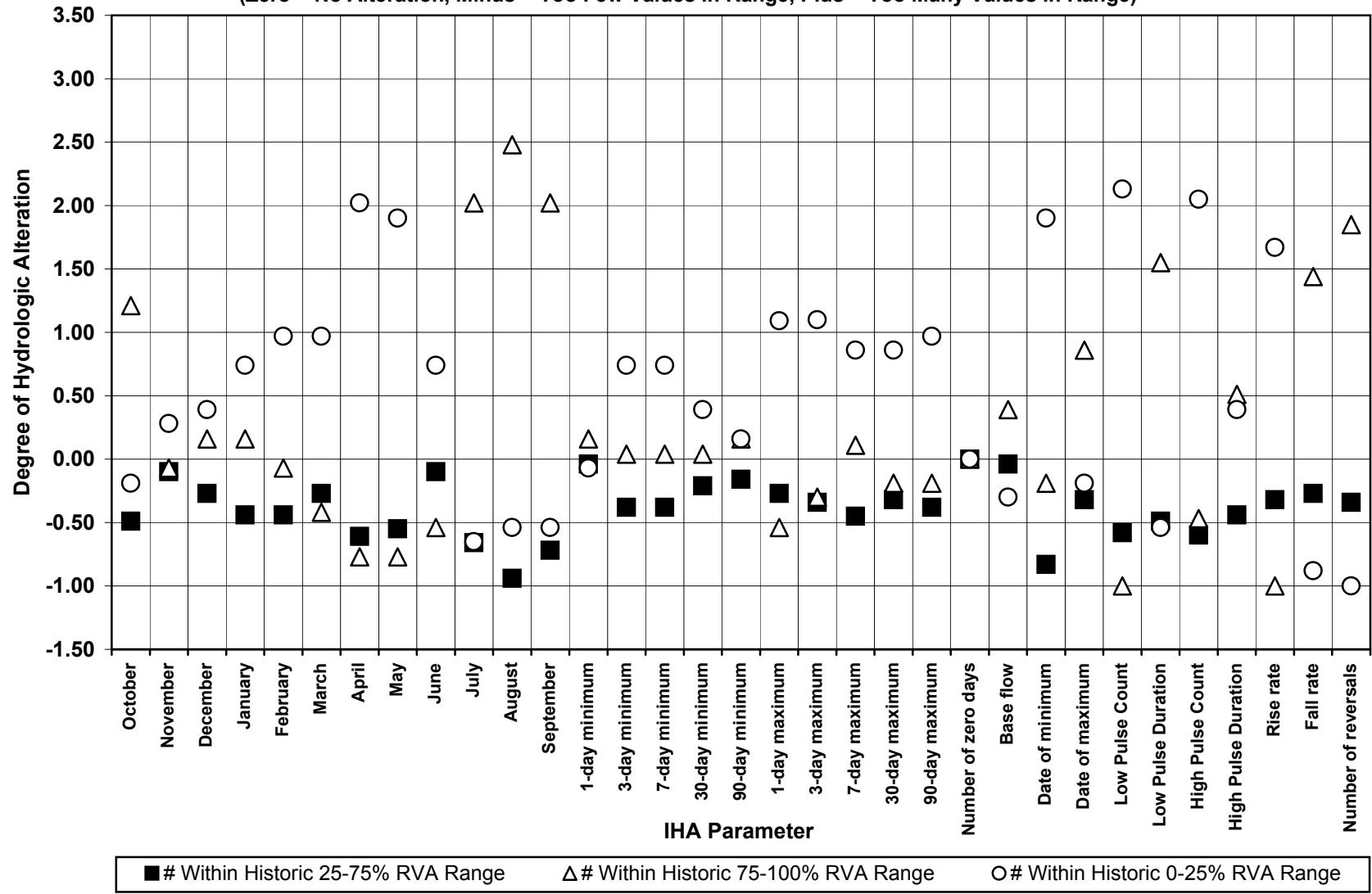


**Combined 11407000 & 11406920 - Feather River
IHA NonParametric Analysis - Oroville Dam Impact Year
Box and Whisker - Minimum, 25th Percentile, Median, 75th Percentile, Maximum**

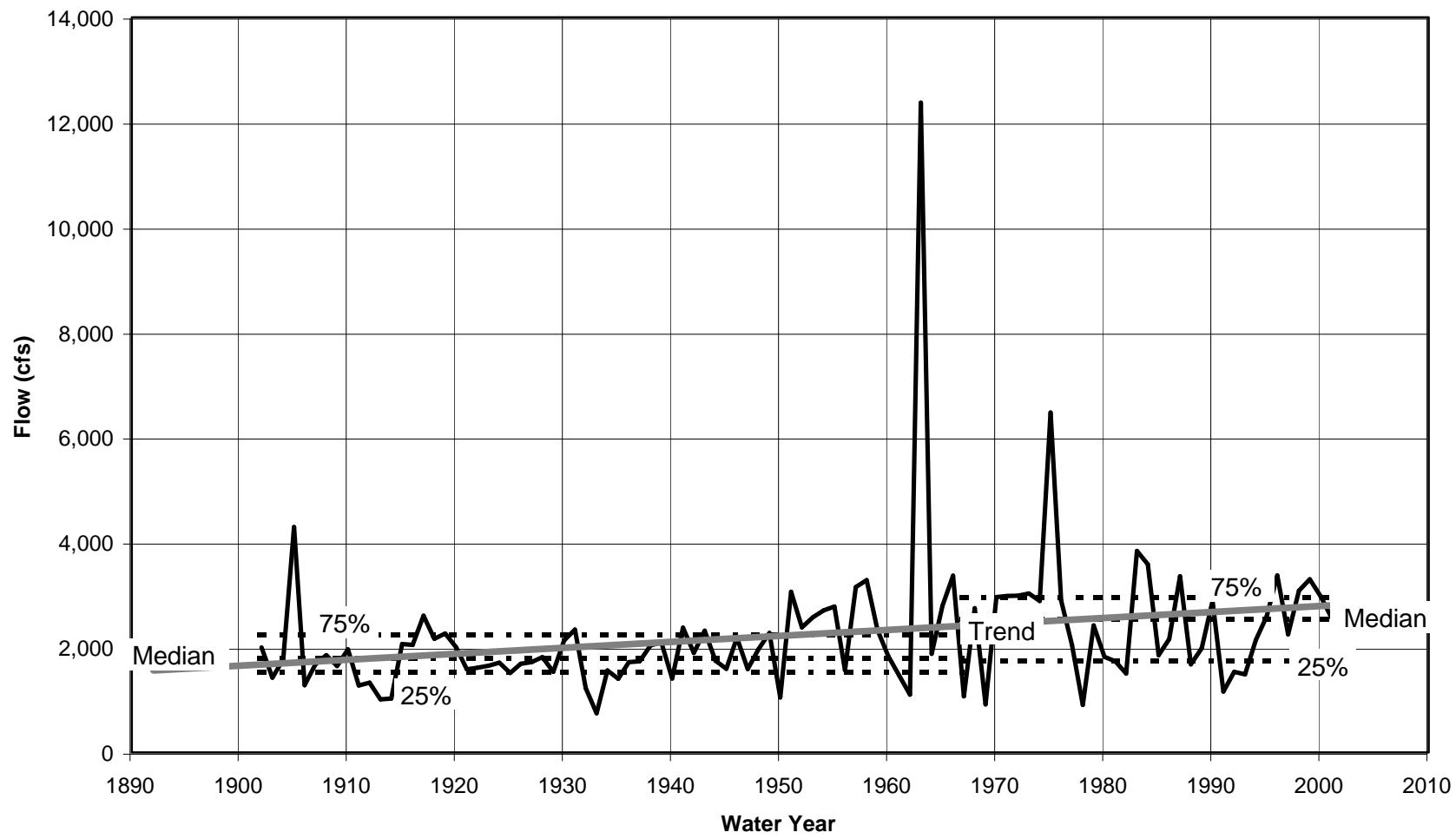


Combined 11407000 and 11406920 - Feather River
Degree of Hydrologic Alteration of IHA Parameters

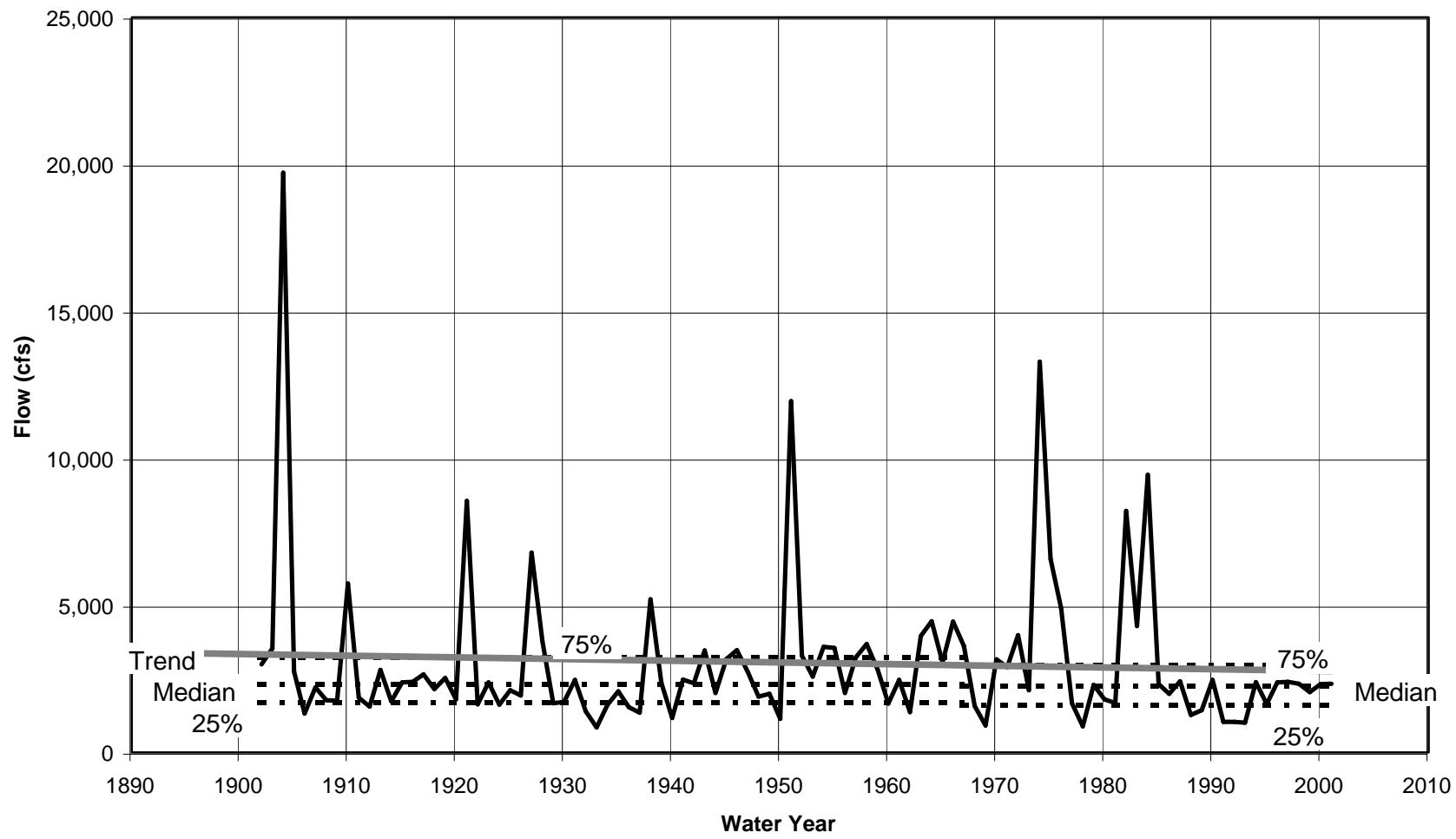
(Zero = No Alteration, Minus = Too Few Values in Range, Plus = Too Many Values in Range)



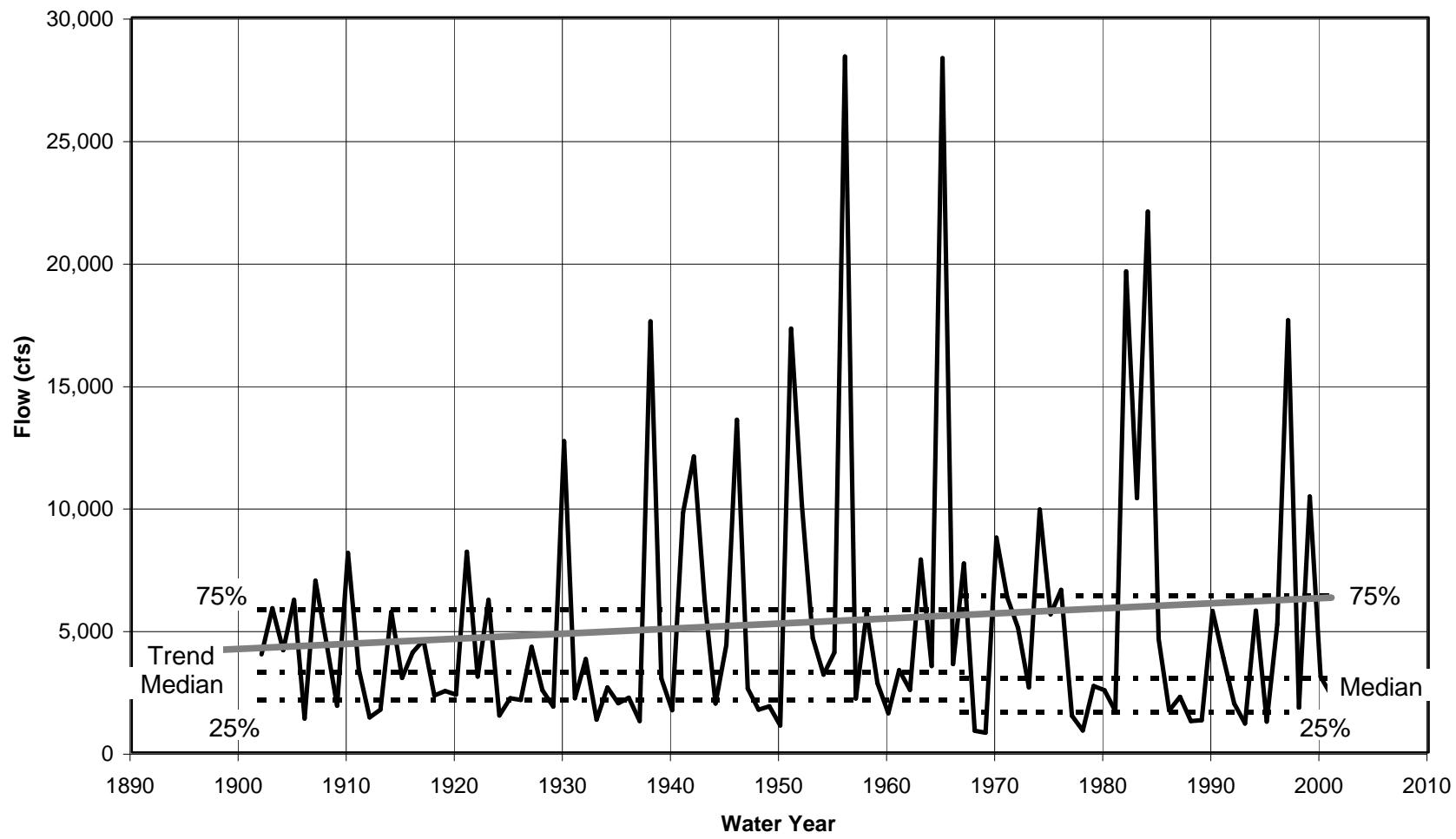
**Combined 11407000 and 11406920 - Feather River
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
Mean October Flows**



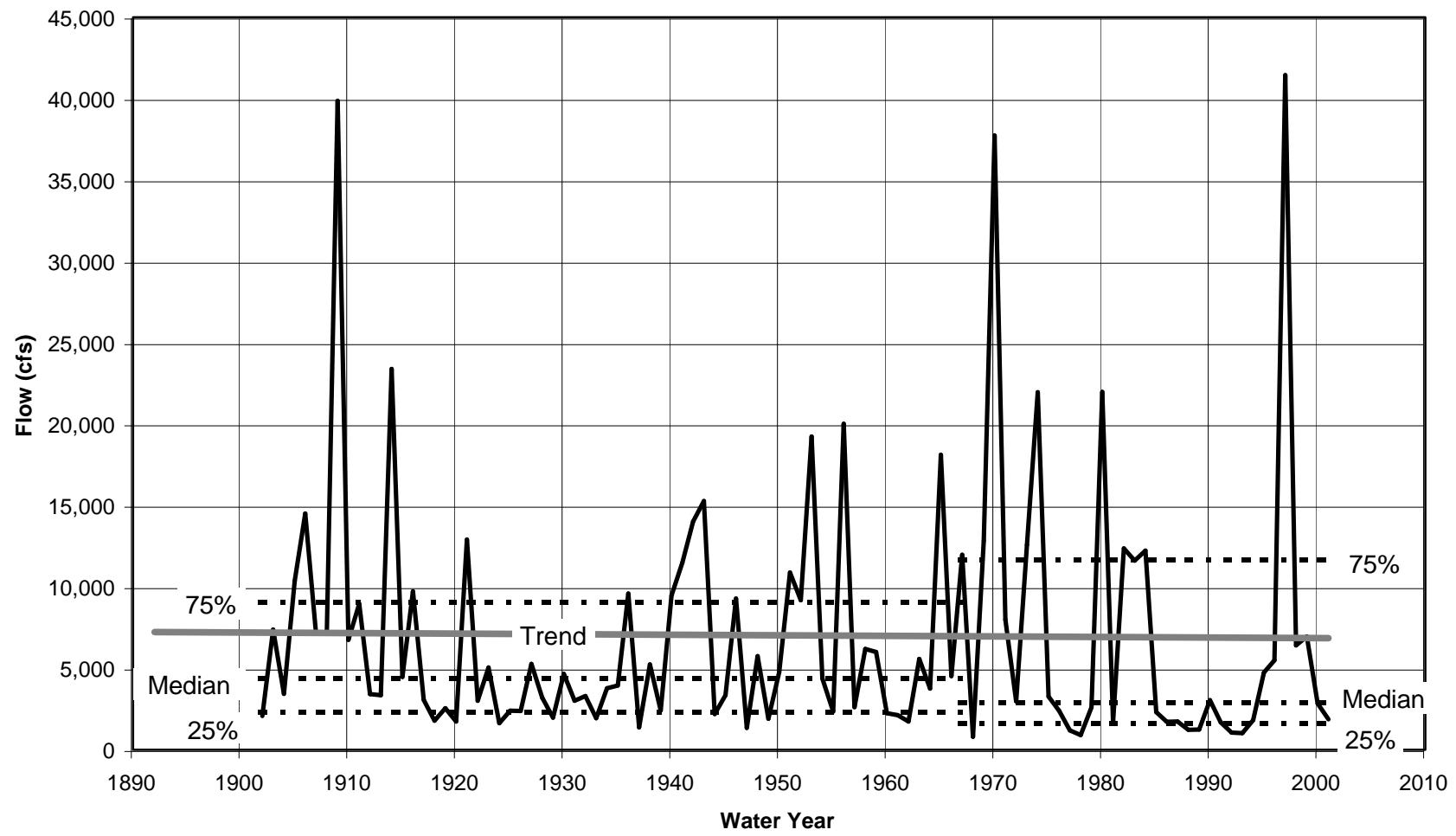
**Combined 11407000 and 11406920 - Feather River
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
Mean November Flows**



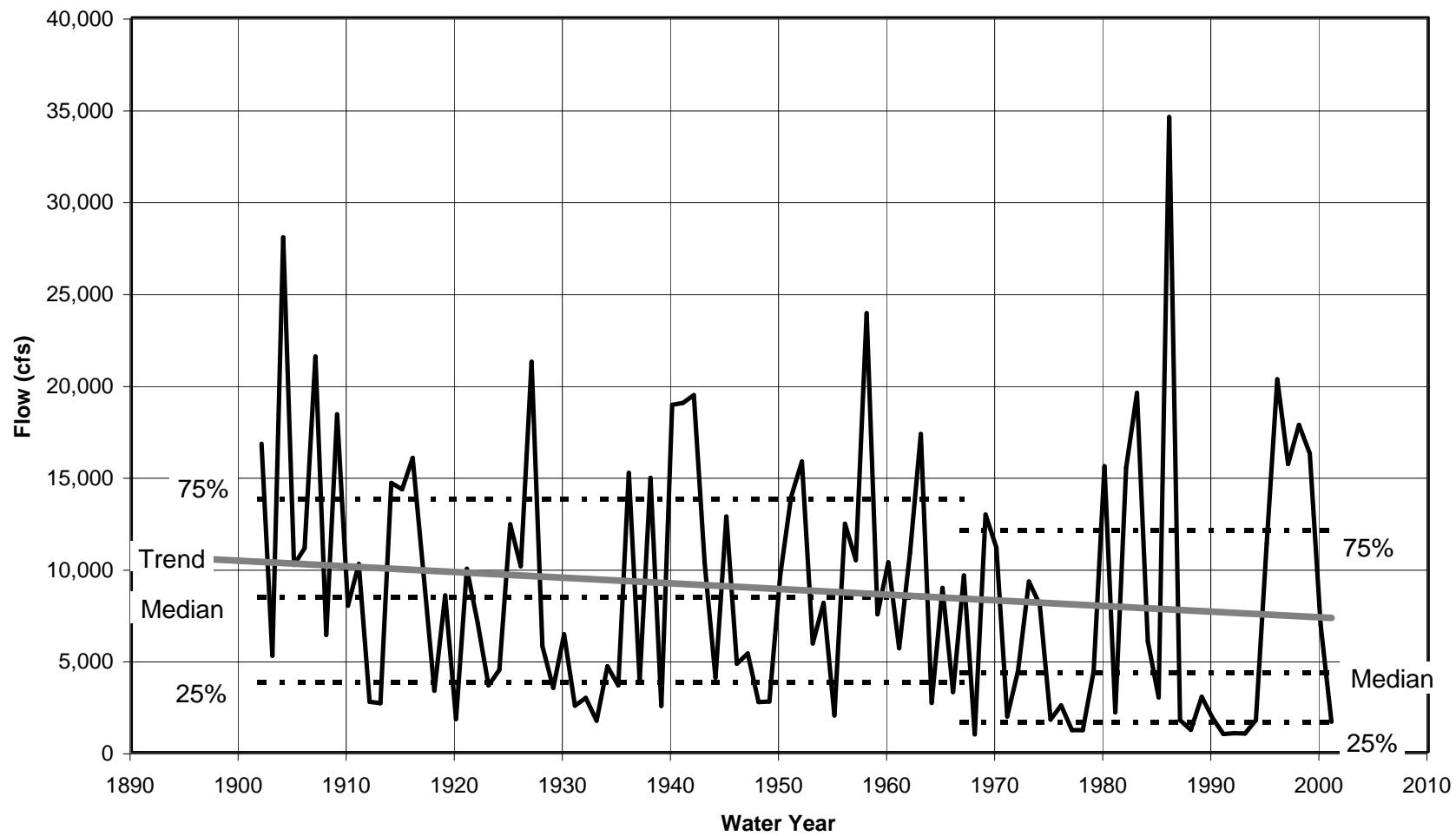
**Combined 11407000 and 11406920 - Feather River
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
Mean December Flows**



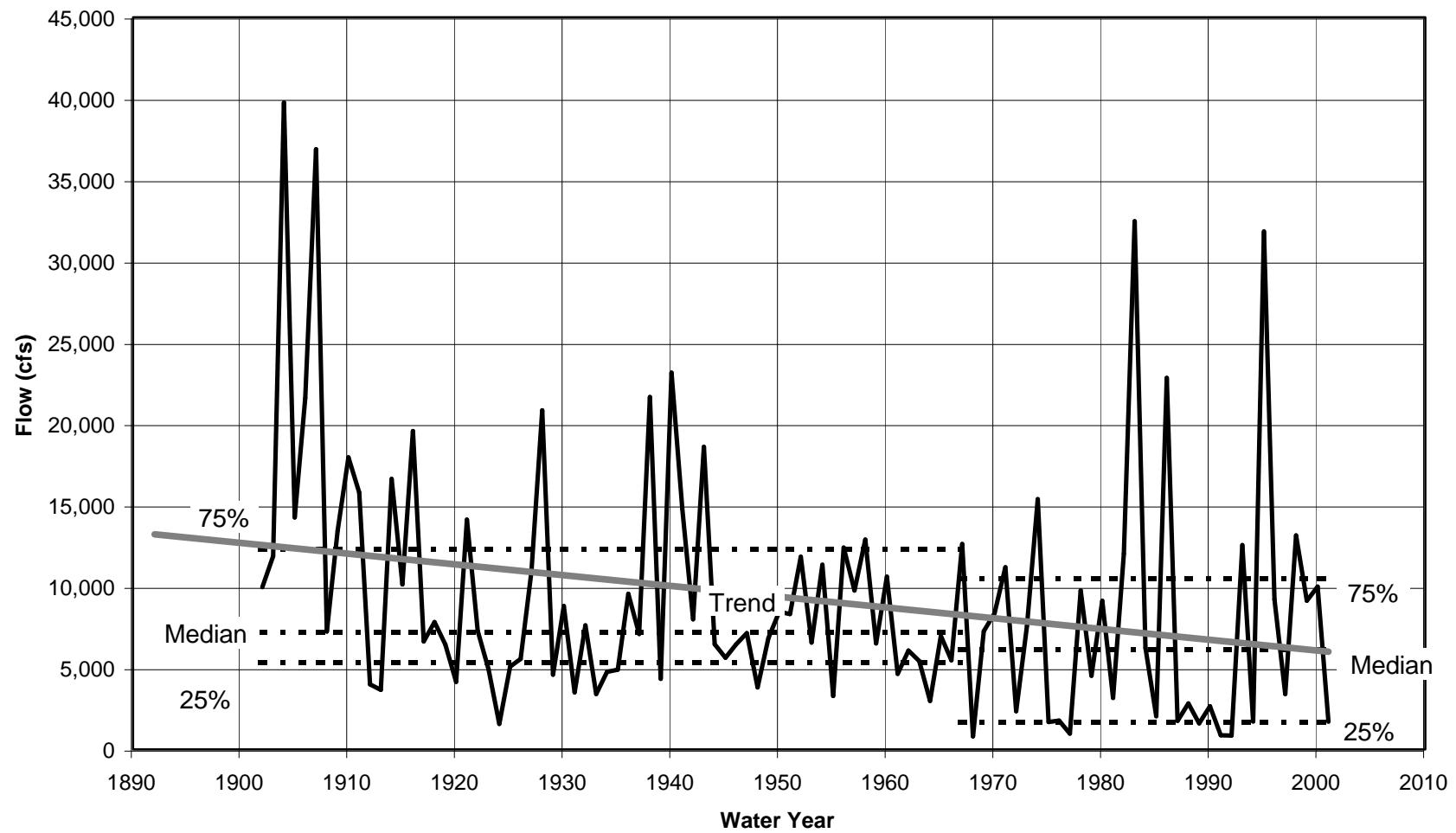
**Combined 11407000 and 11406920 - Feather River
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
Mean January Flows**



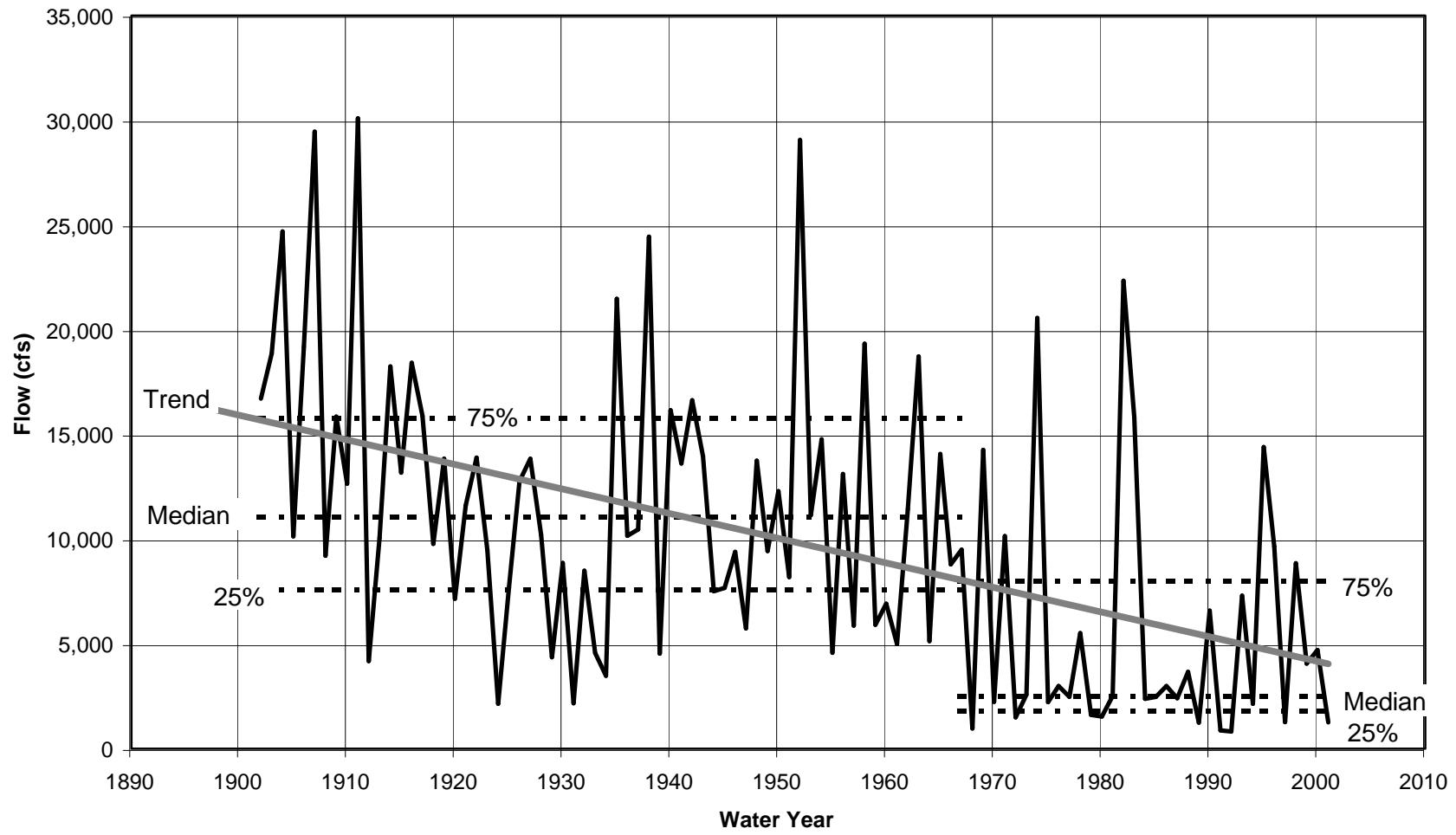
**Combined 11407000 and 11406920 - Feather River
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
Mean February Flows**



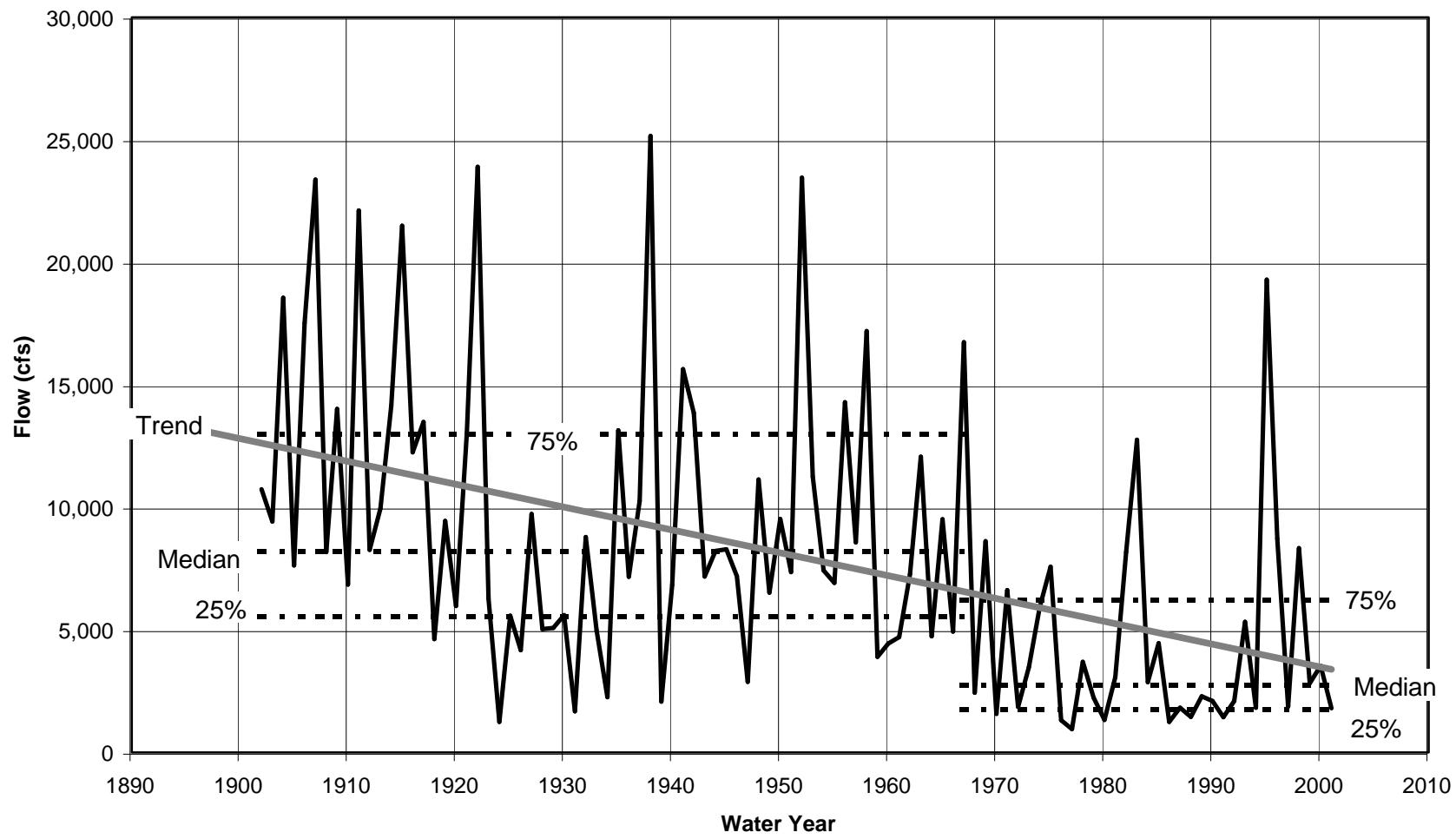
**Combined 11407000 and 11406920 - Feather River
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
Mean March Flows**



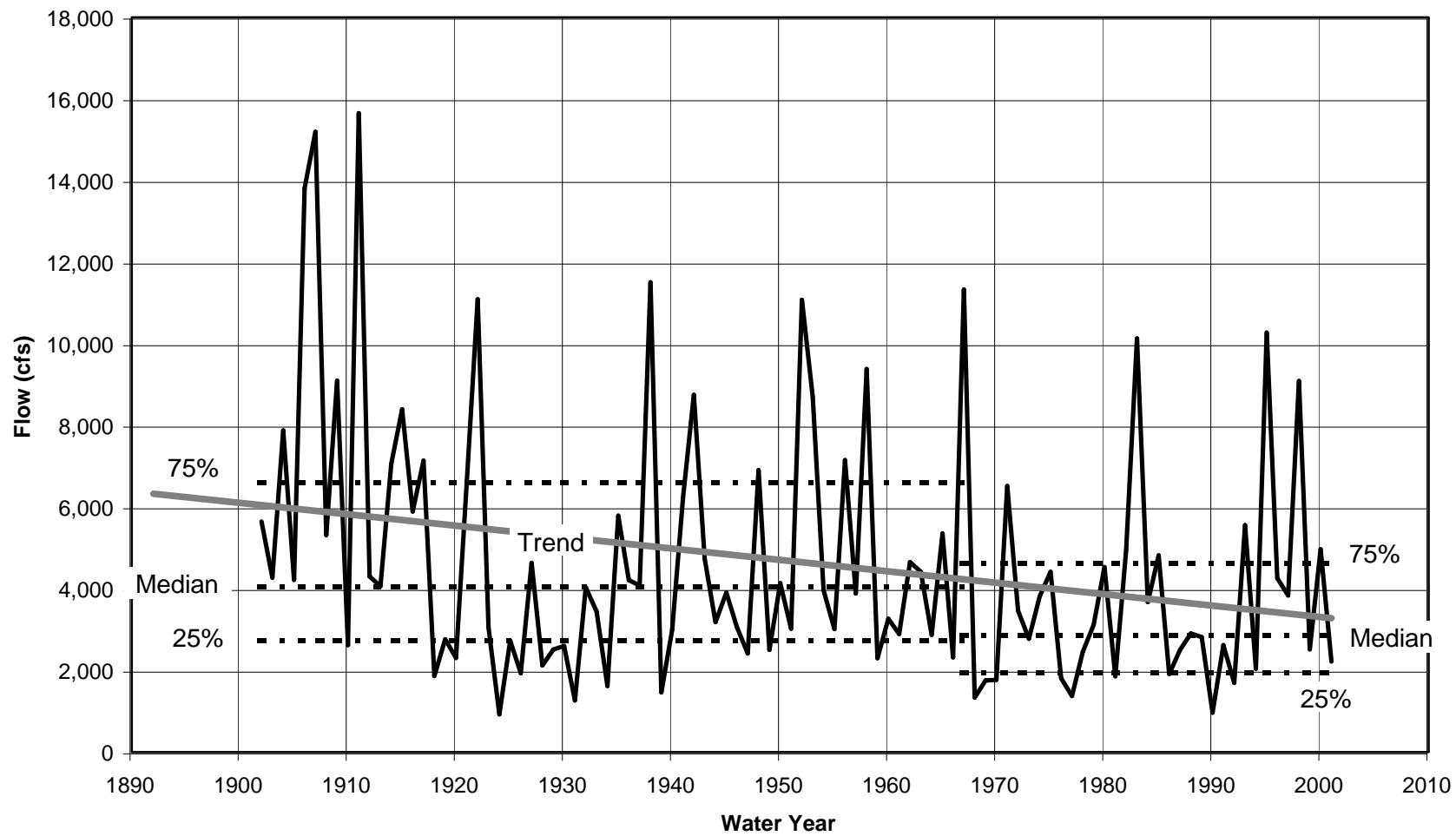
**Combined 11407000 and 11406920 - Feather River
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
Mean April Flows**



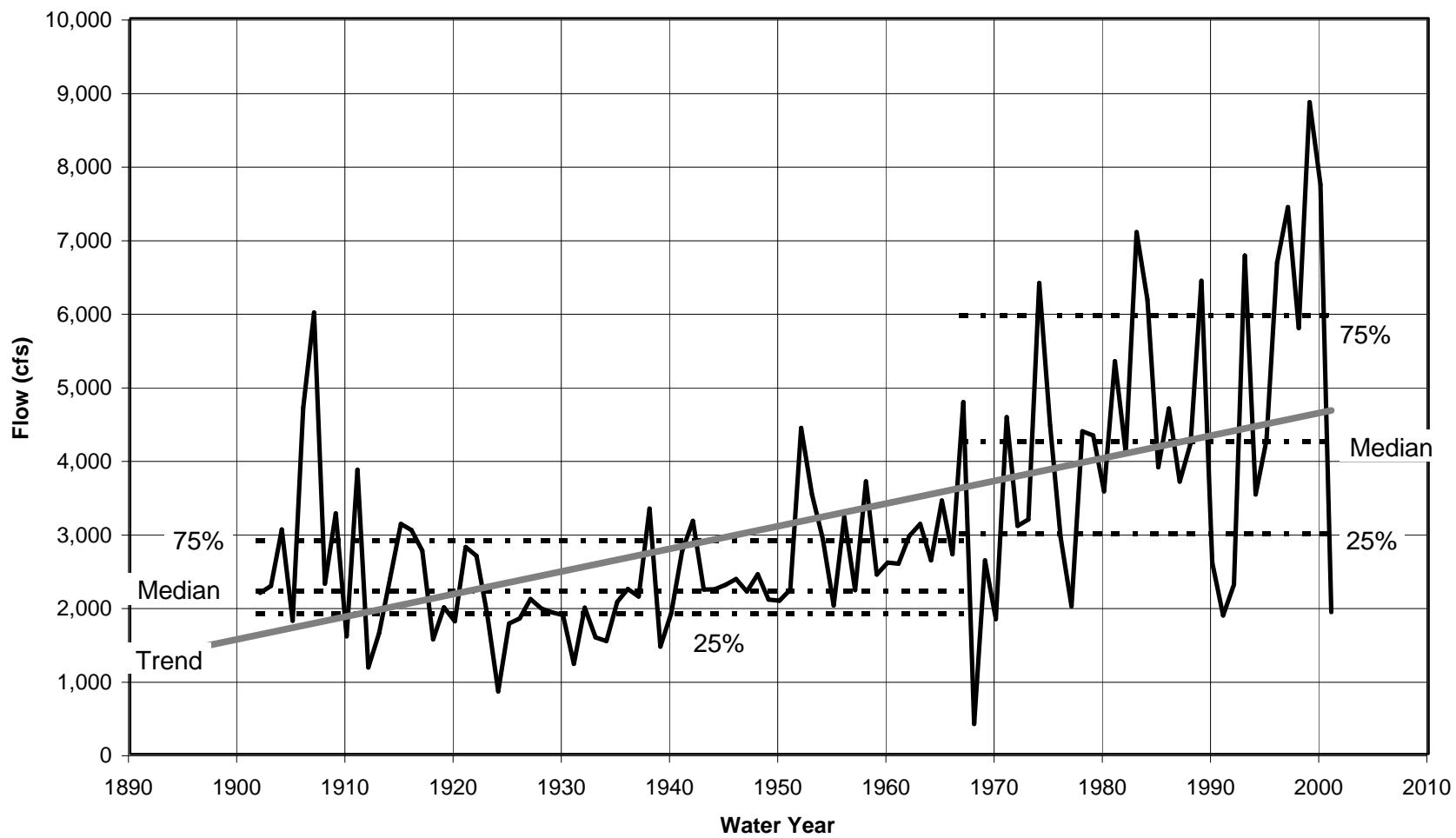
**Combined 11407000 and 11406920 - Feather River
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
Mean May Flows**



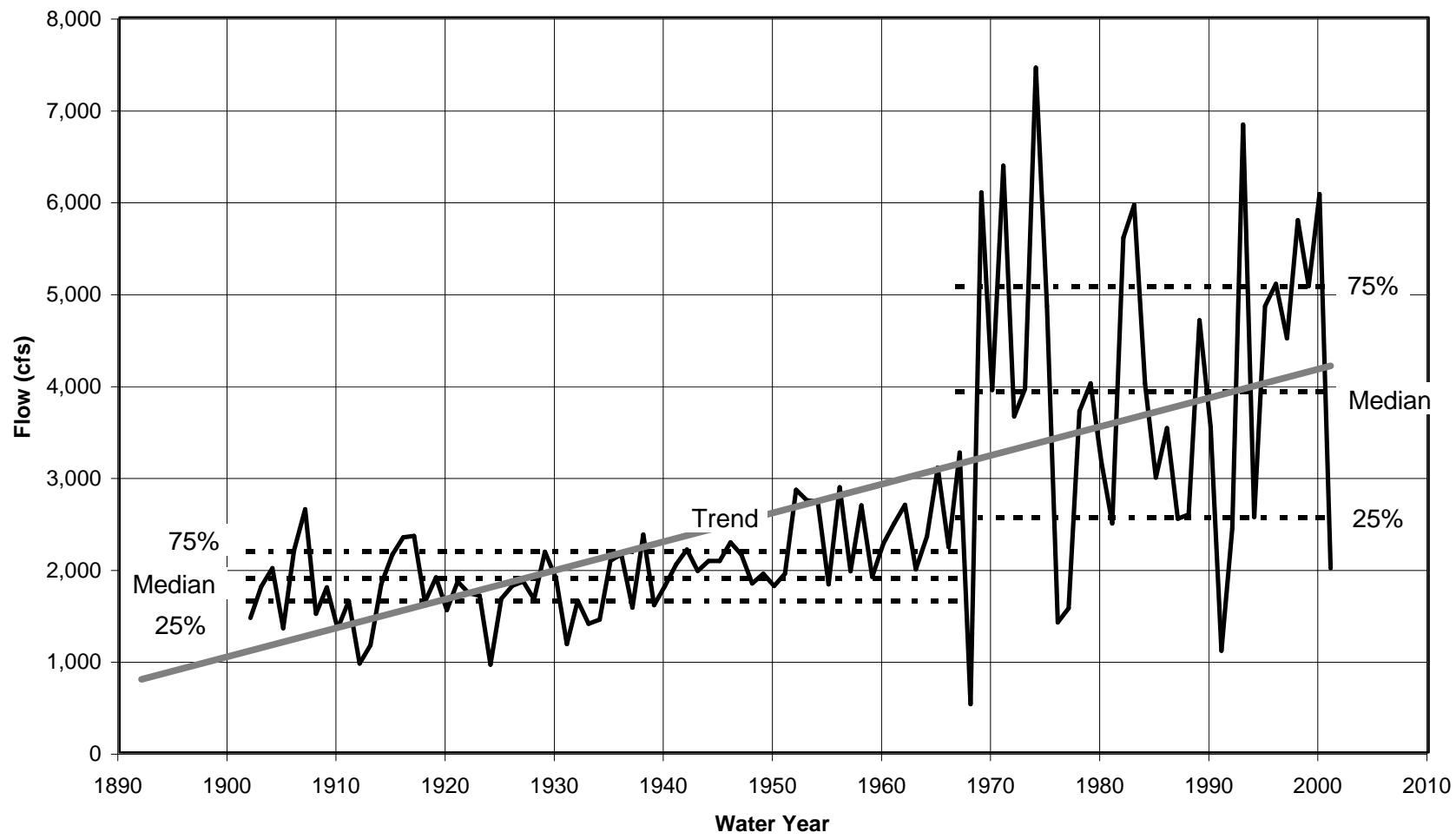
**Combined 11407000 and 11406920 - Feather River
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
Mean June Flows**



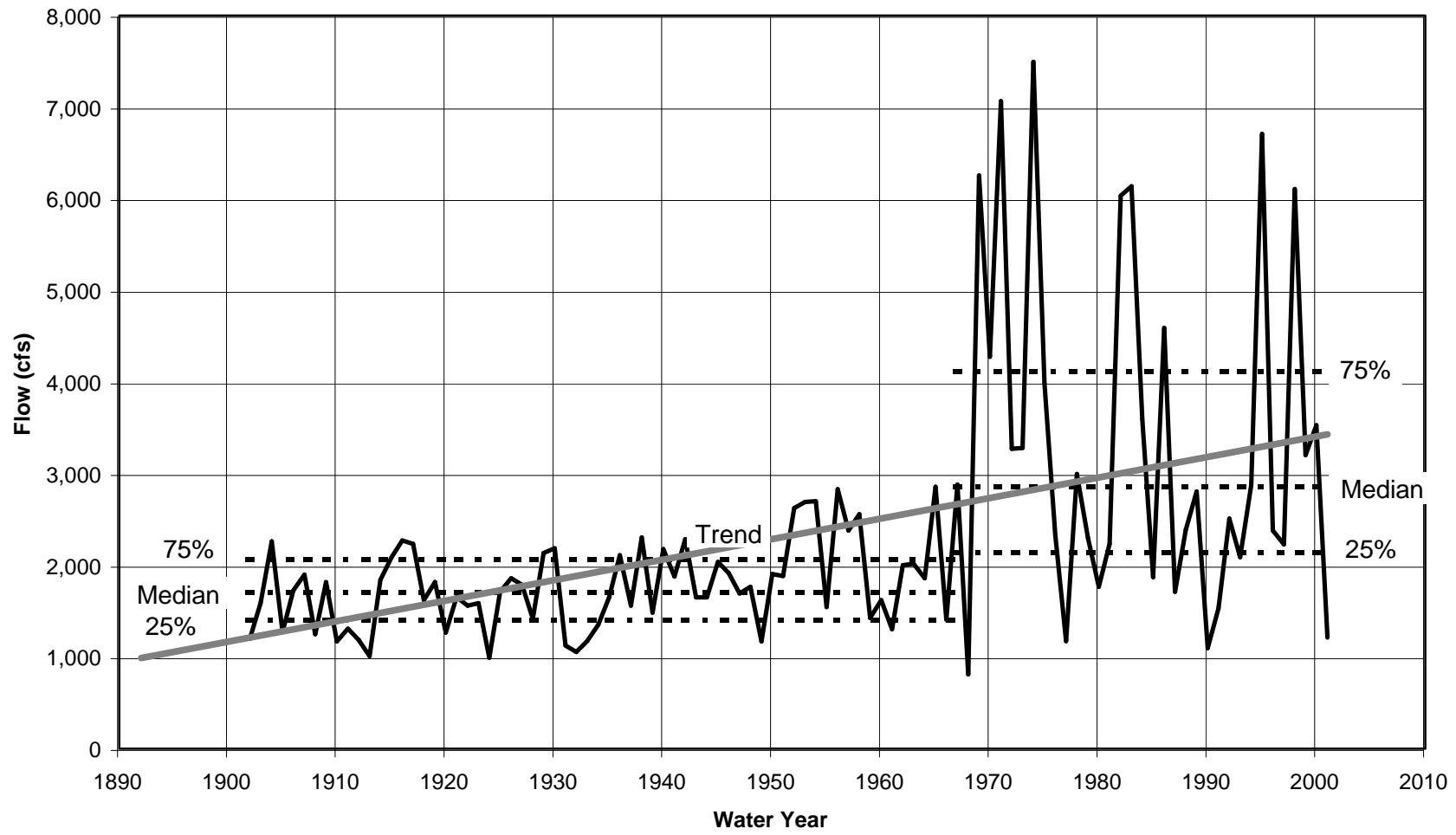
**Combined 11407000 and 11406920 - Feather River
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
Mean July Flows**



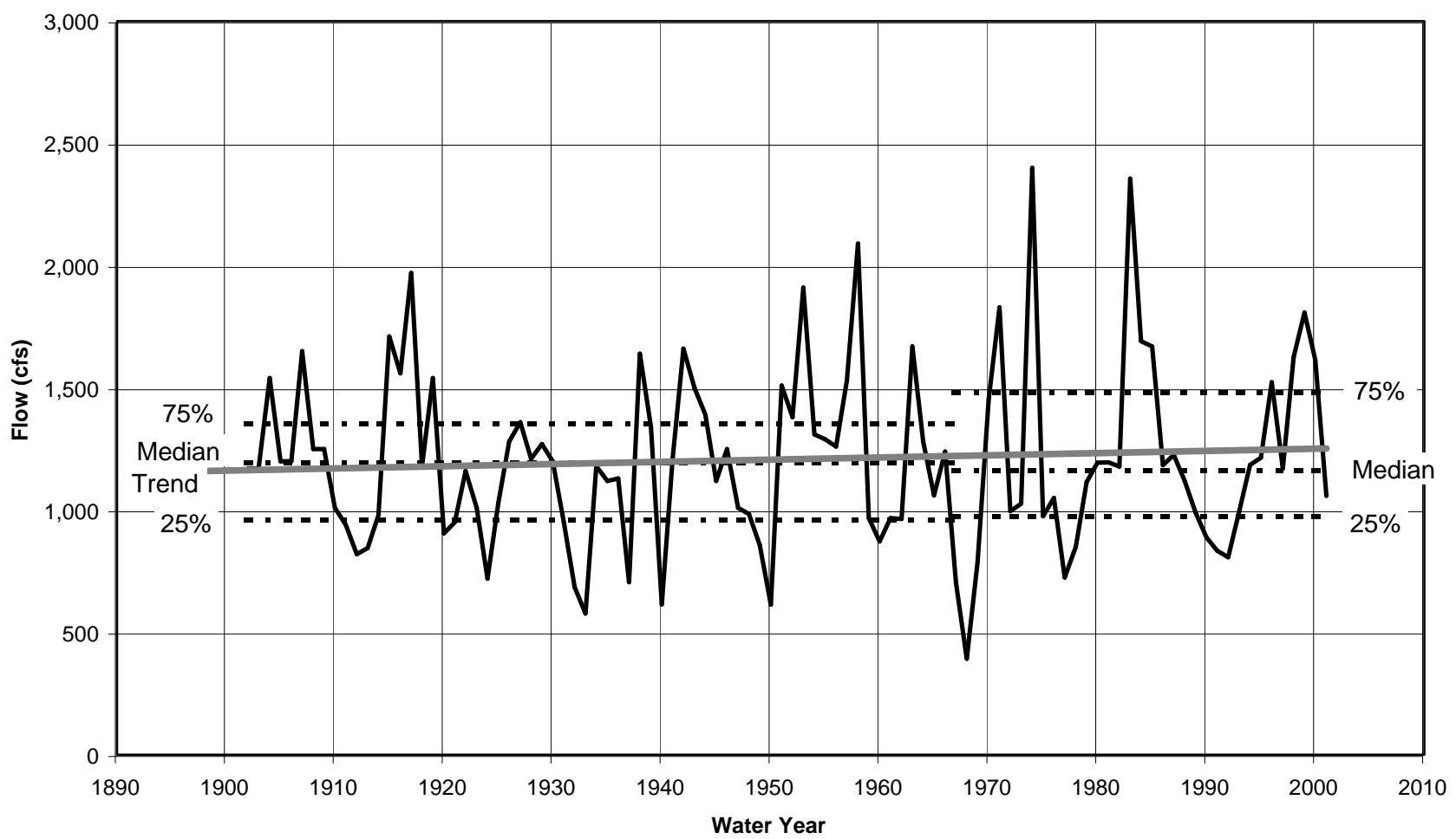
**Combined 11407000 and 11406920 - Feather River
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
Mean August Flows**



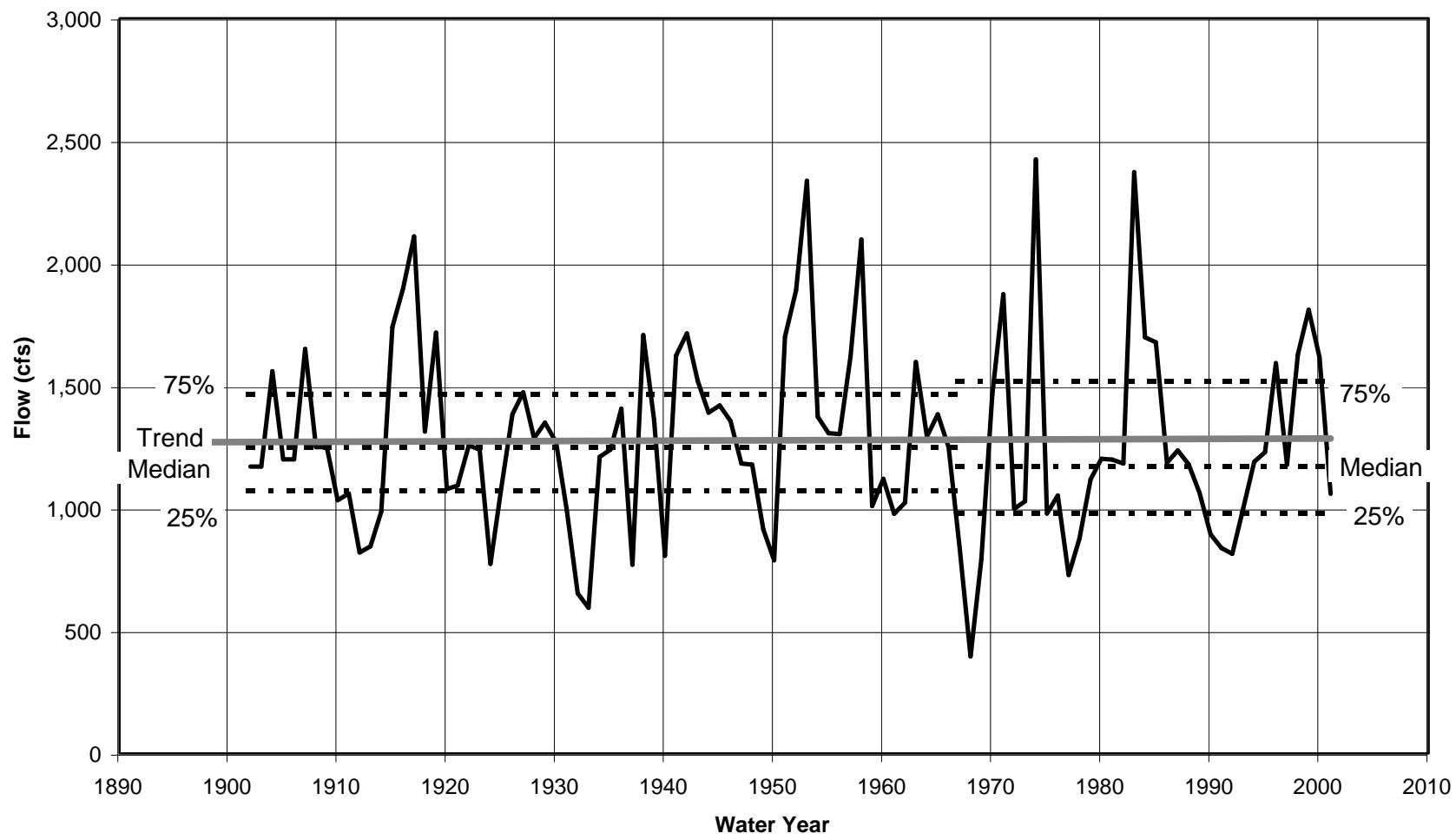
**Combined 11407000 and 11406920 - Feather River
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
Mean September Flows**



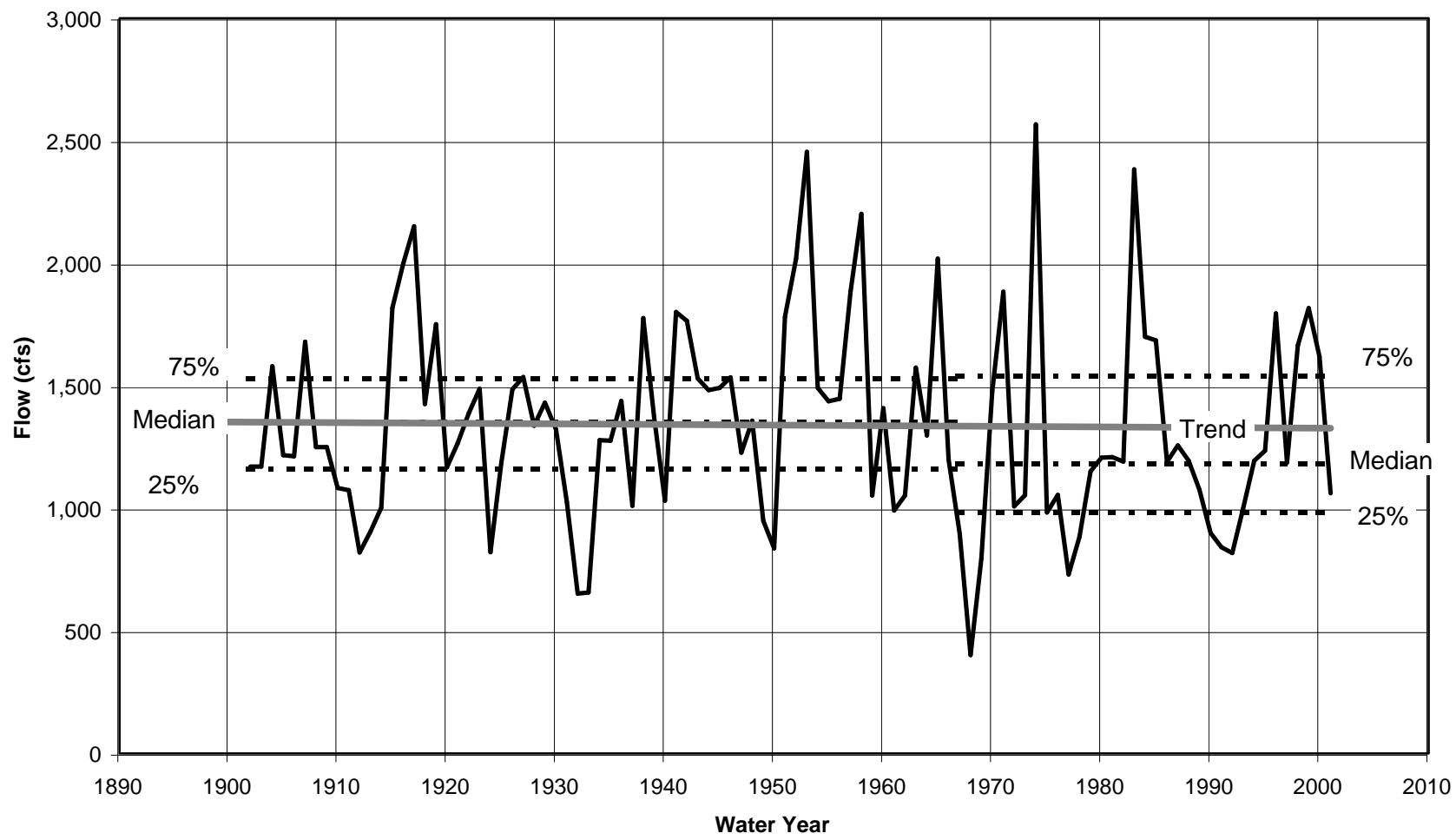
**Combined 11407000 and 11406920 - Feather River
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
1-Day Minimum**



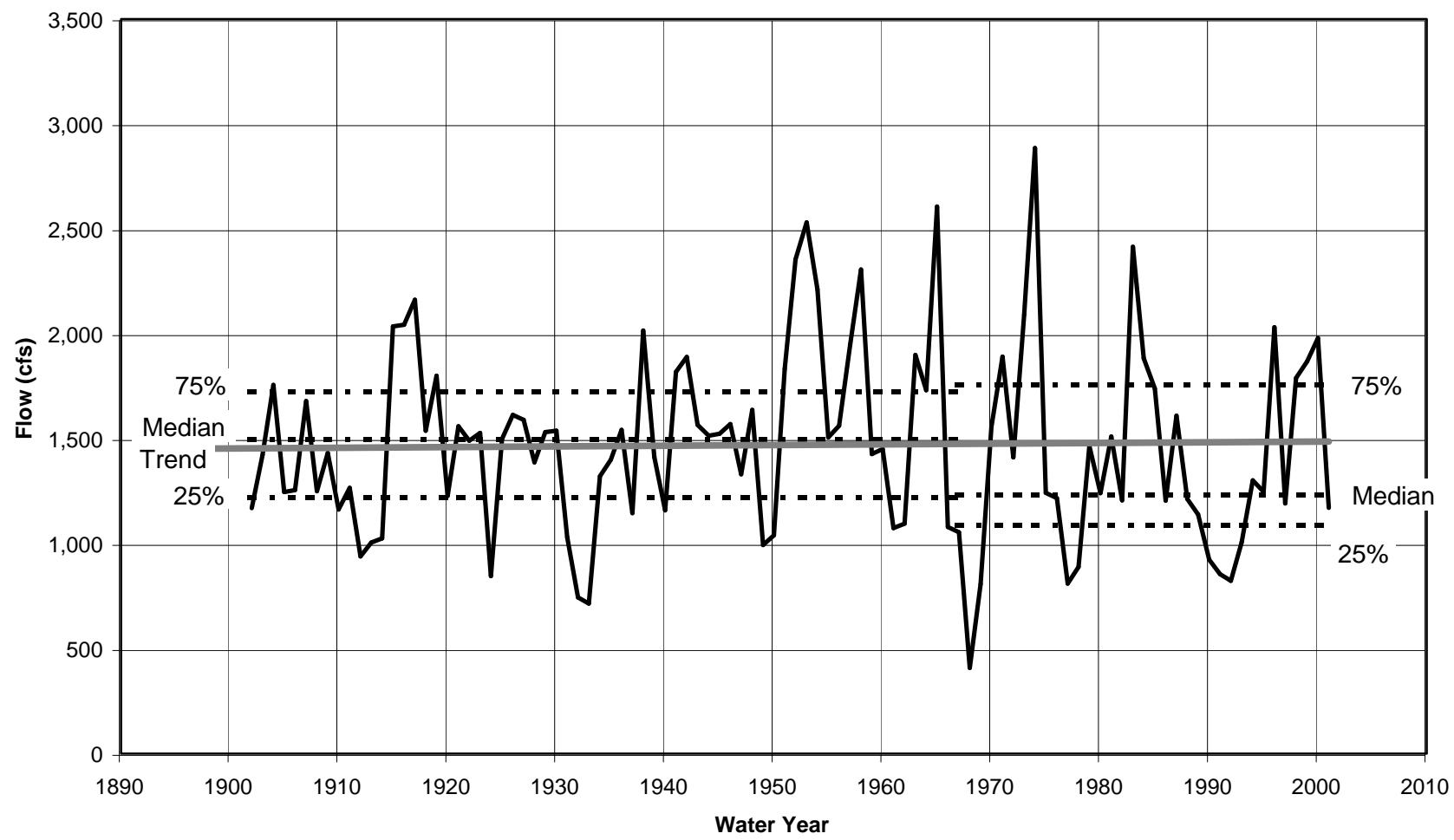
**Combined 11407000 and 11406920 - Feather River
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
3-Day Minimum**



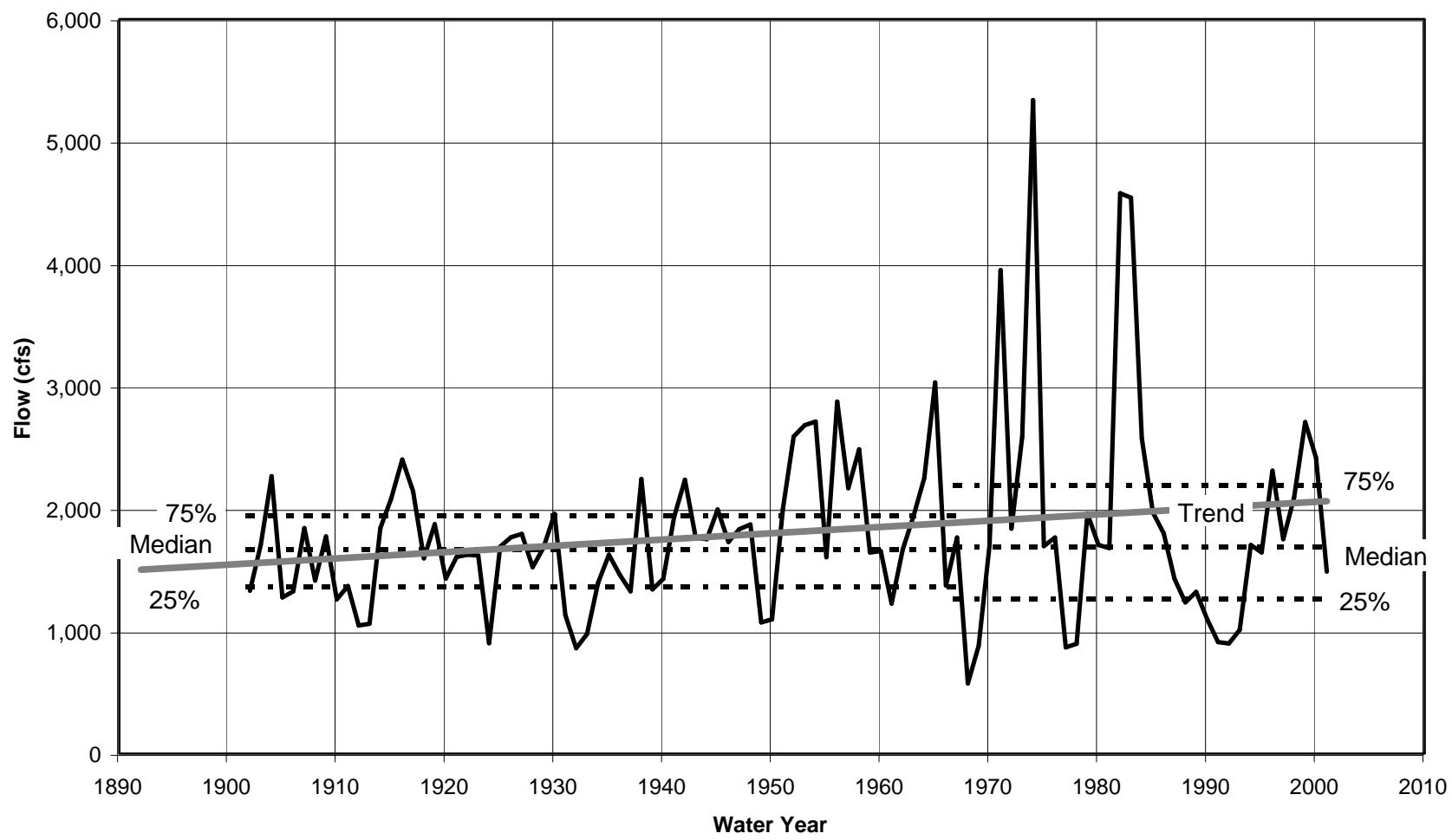
**Combined 11407000 and 11406920 - Feather River
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
7-Day Minimum**



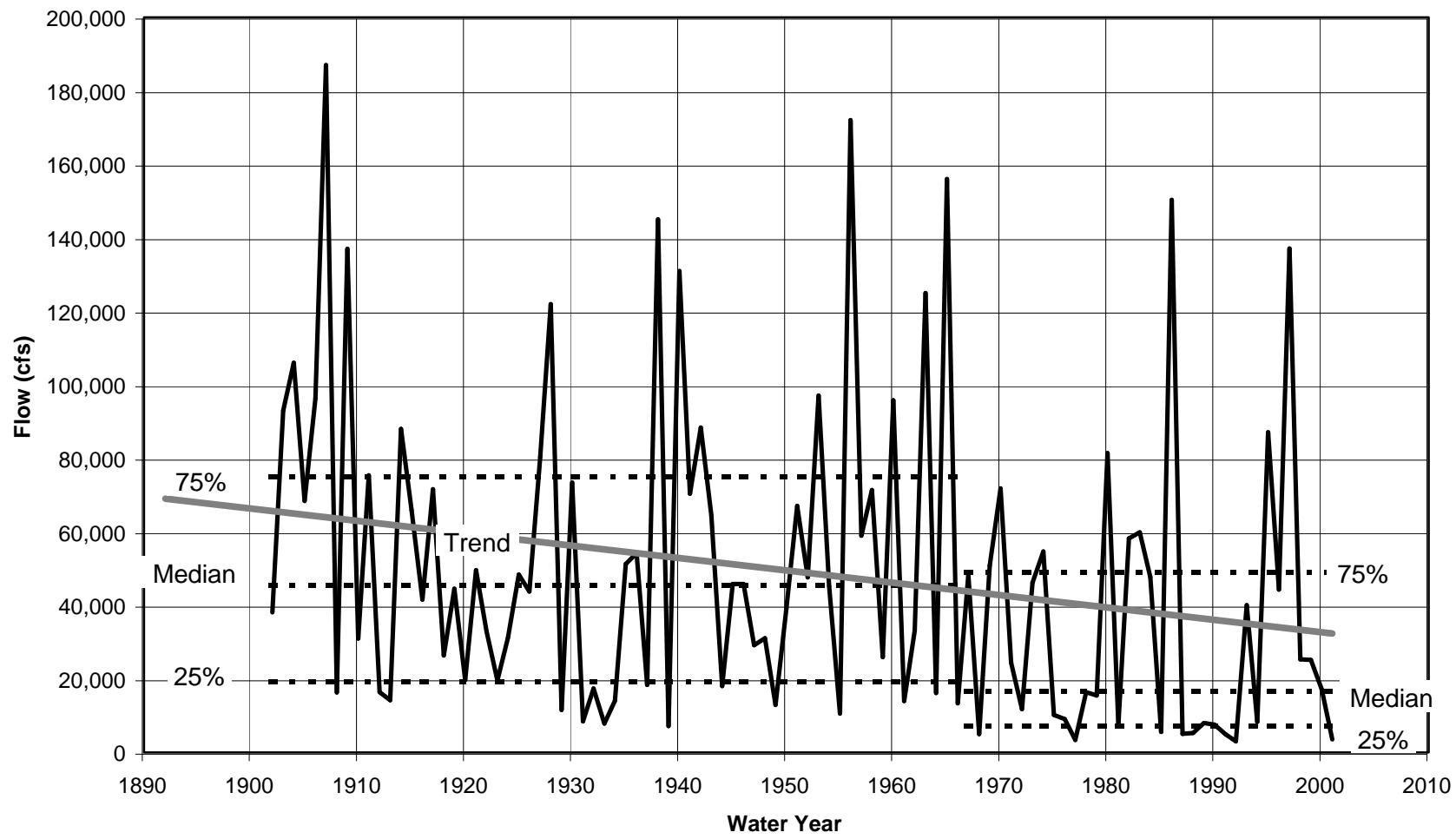
**Combined 11407000 and 11406920 - Feather River
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
30-Day Minimum**



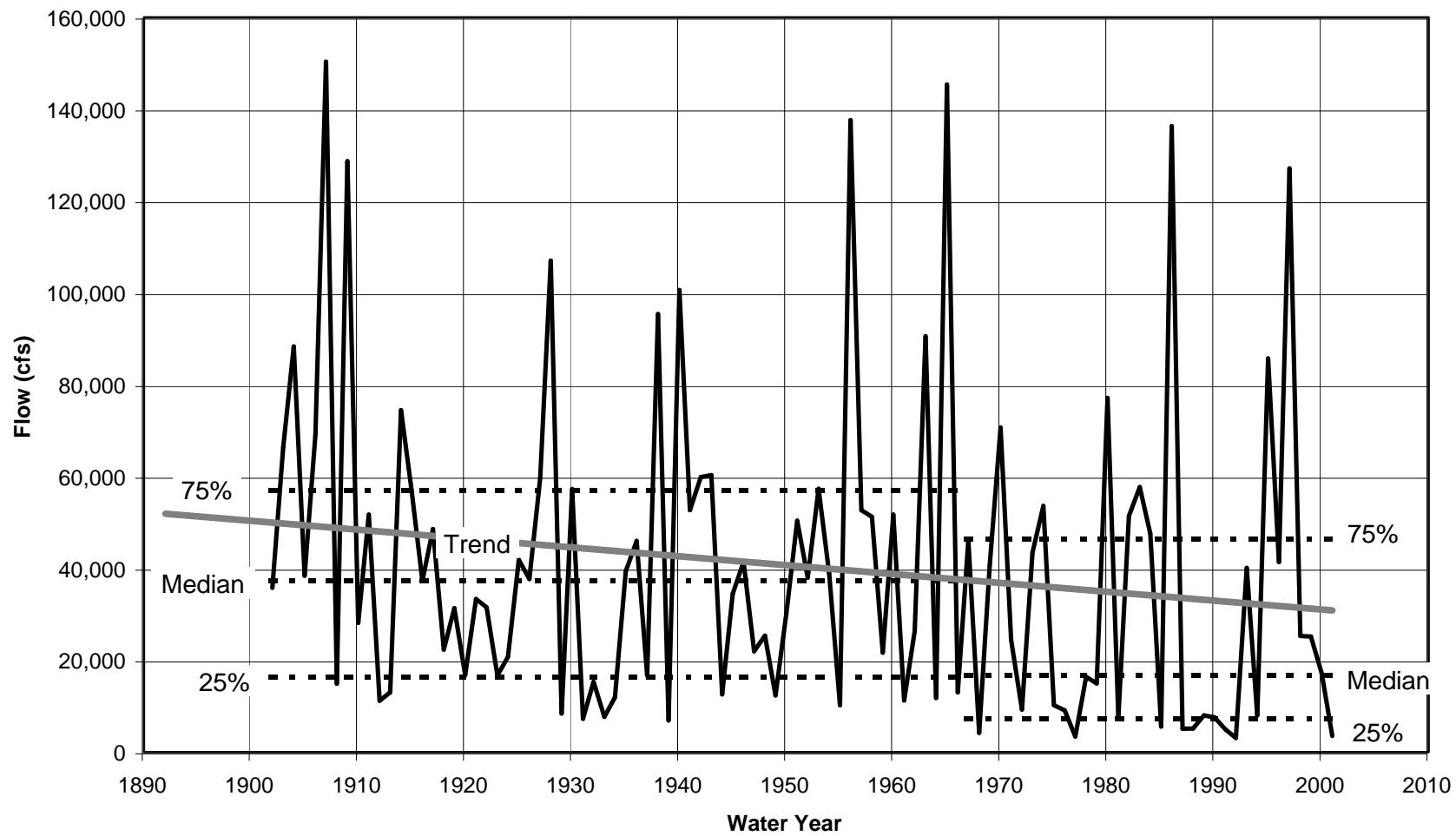
**Combined 11407000 and 11406920 - Feather River
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
90-Day Minimum**



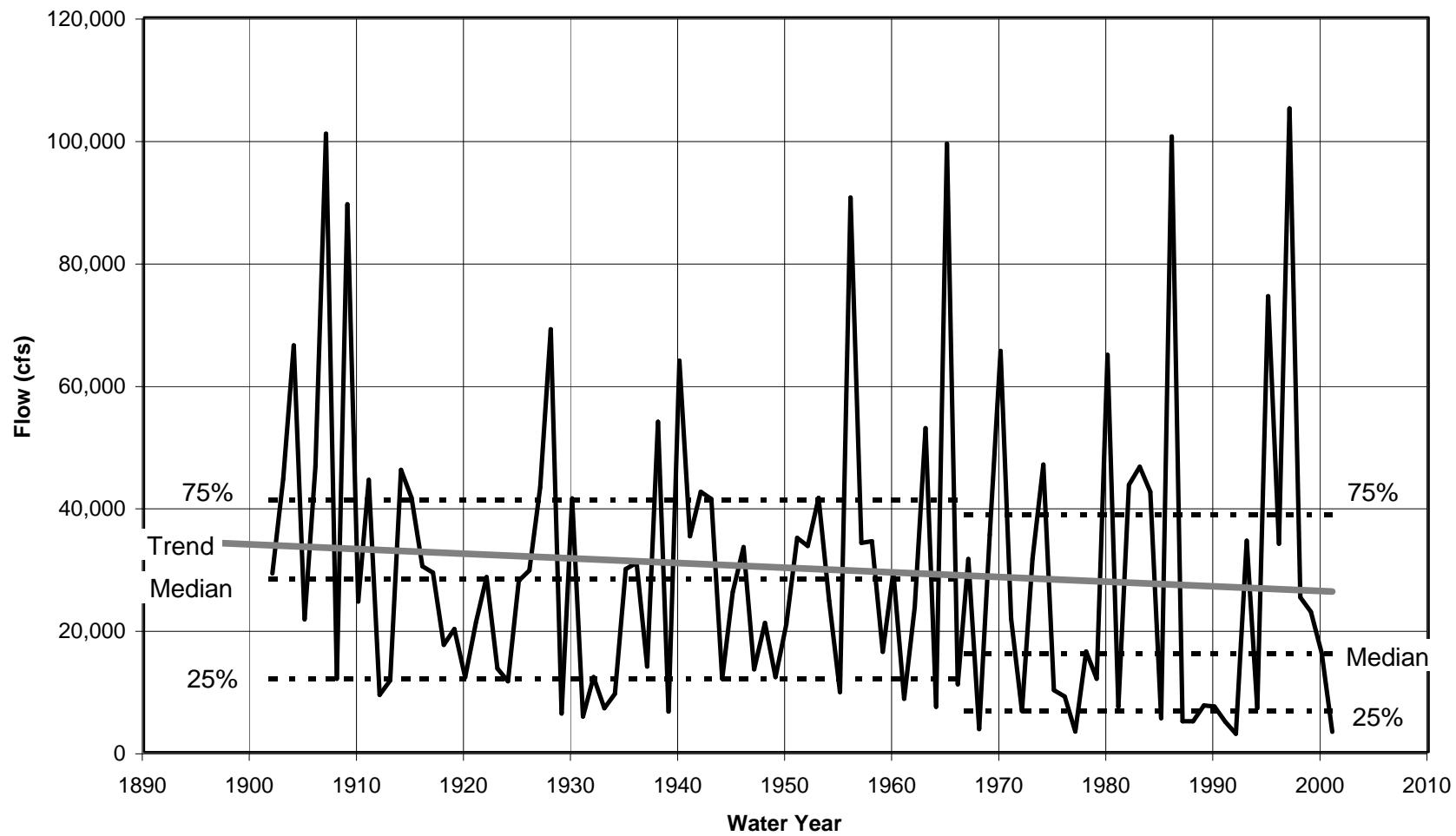
**Combined 11407000 and 11406920 - Feather River
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
1-Day Maximum**



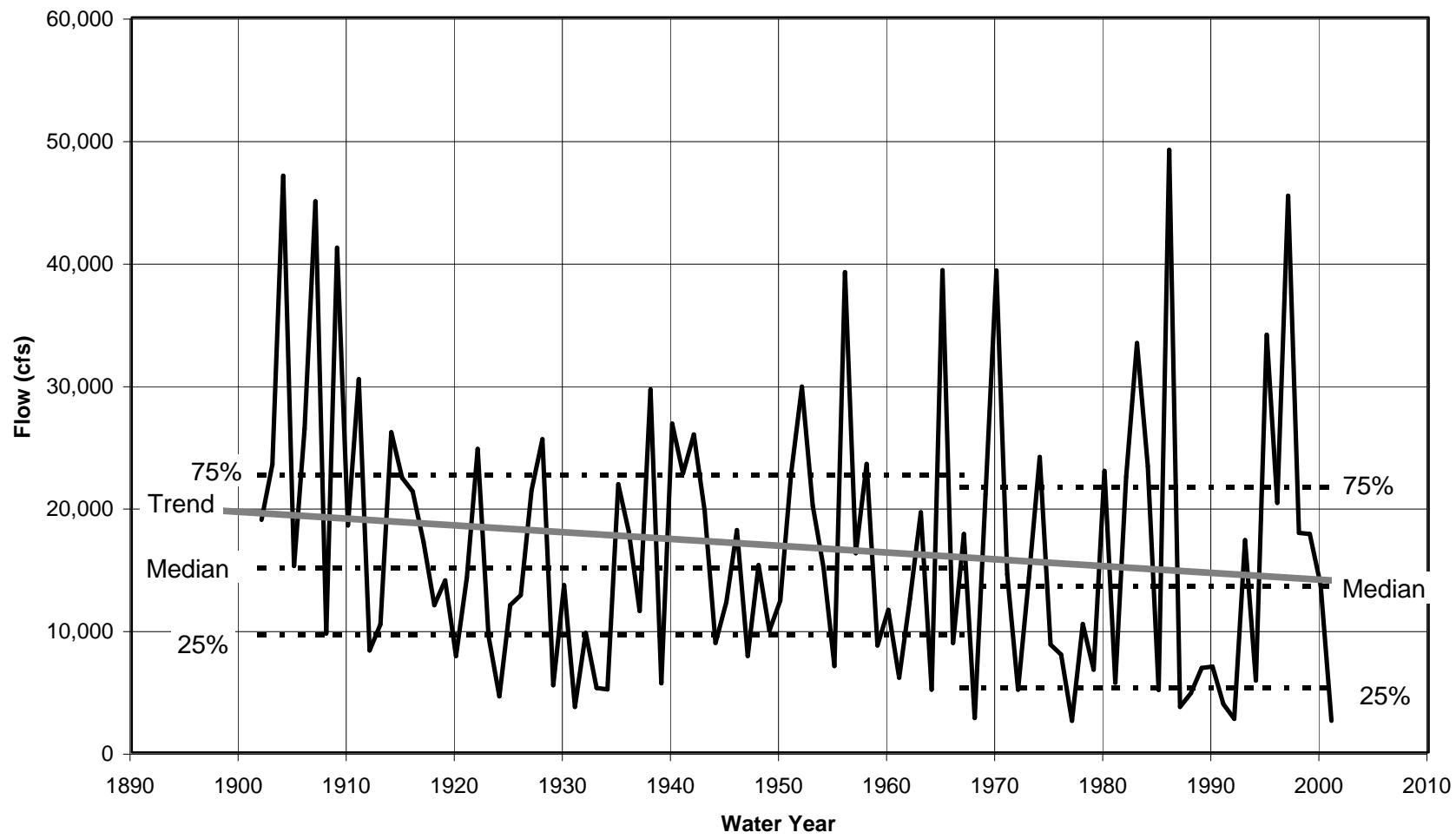
**Combined 11407000 and 11406920 - Feather River
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
3-Day Maximum**



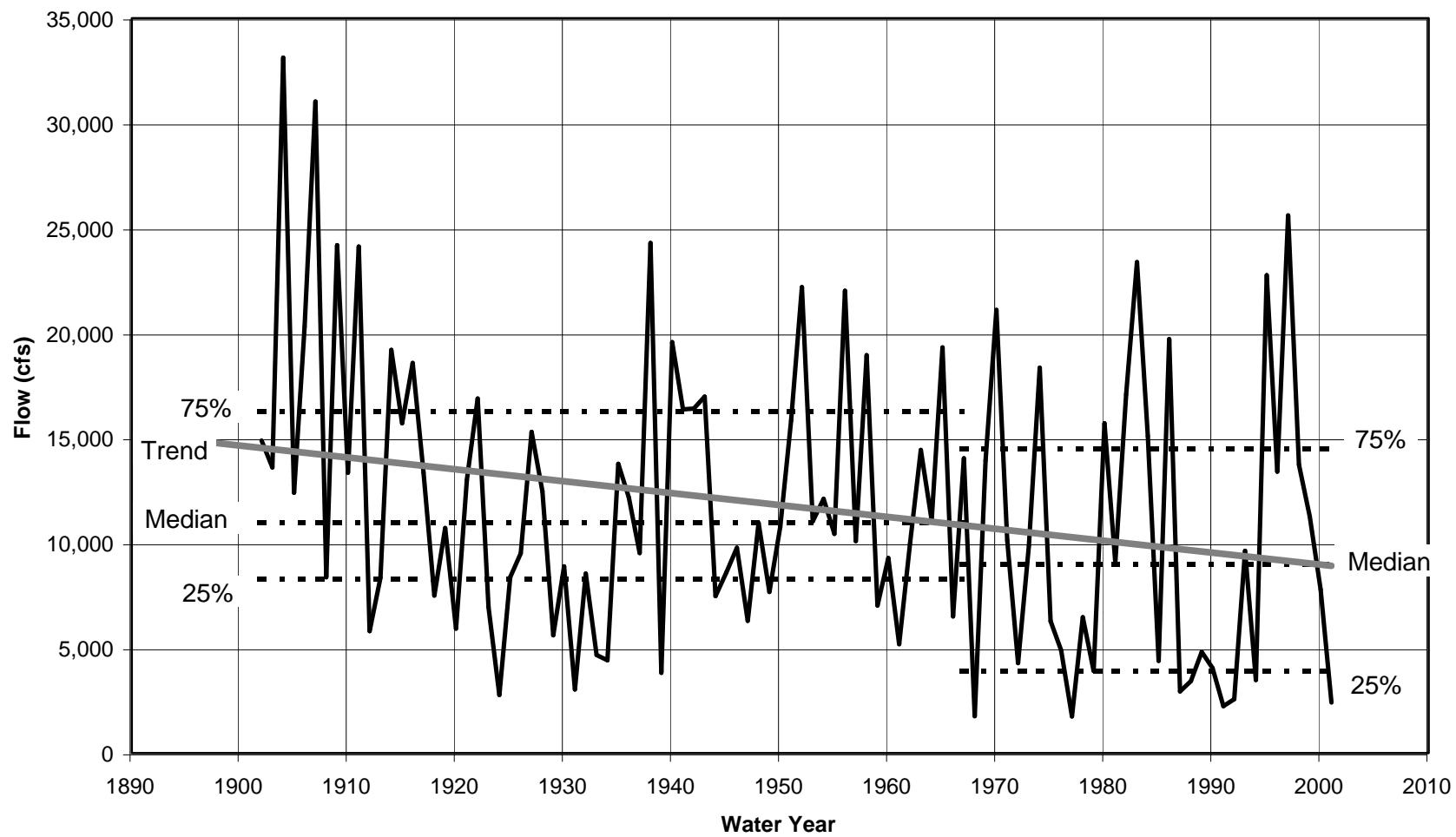
**Combined 11407000 and 11406920 - Feather River
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
7-Day Maximum**



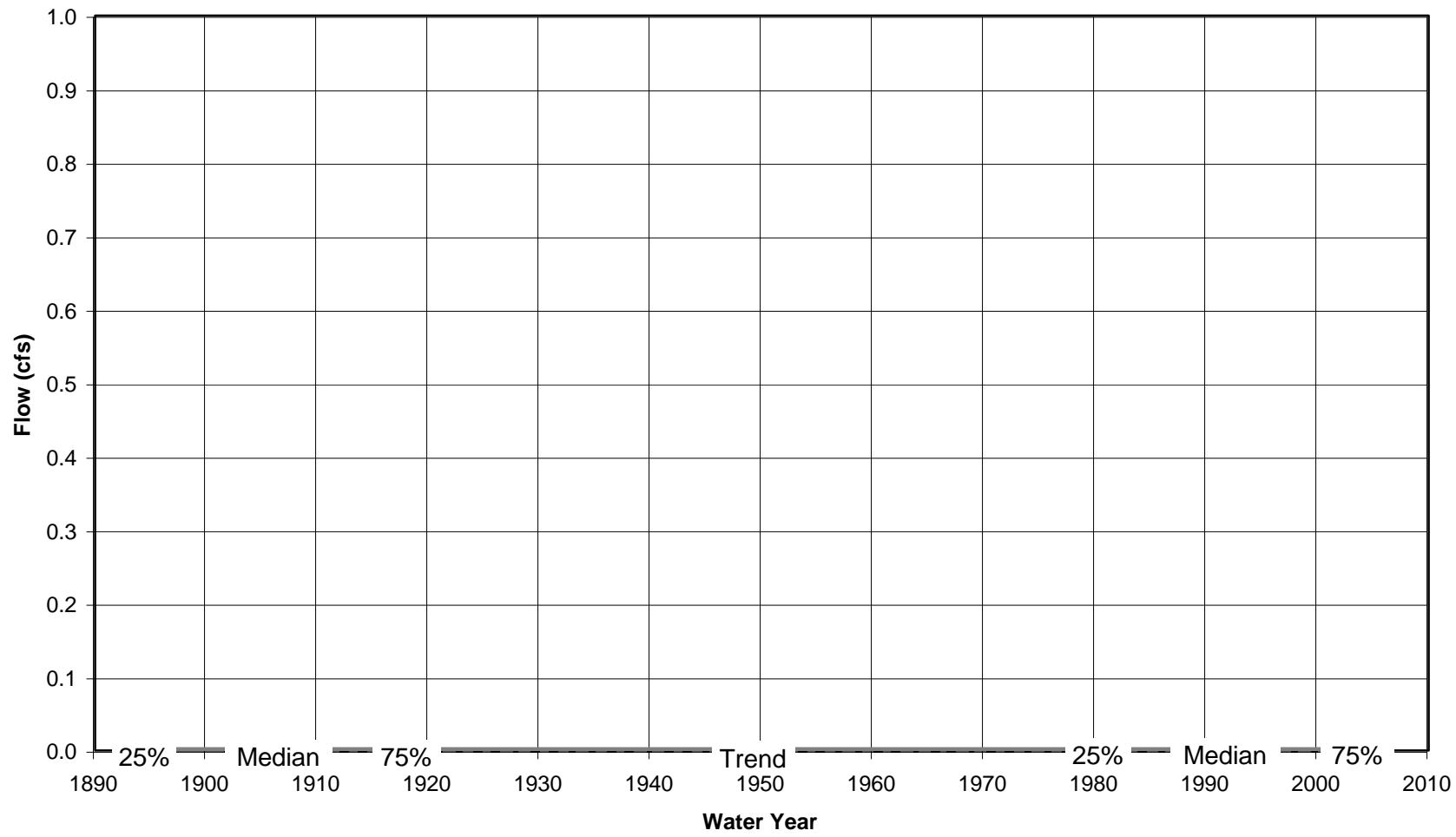
**Combined 11407000 and 11406920 - Feather River
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
30-Day Maximum**



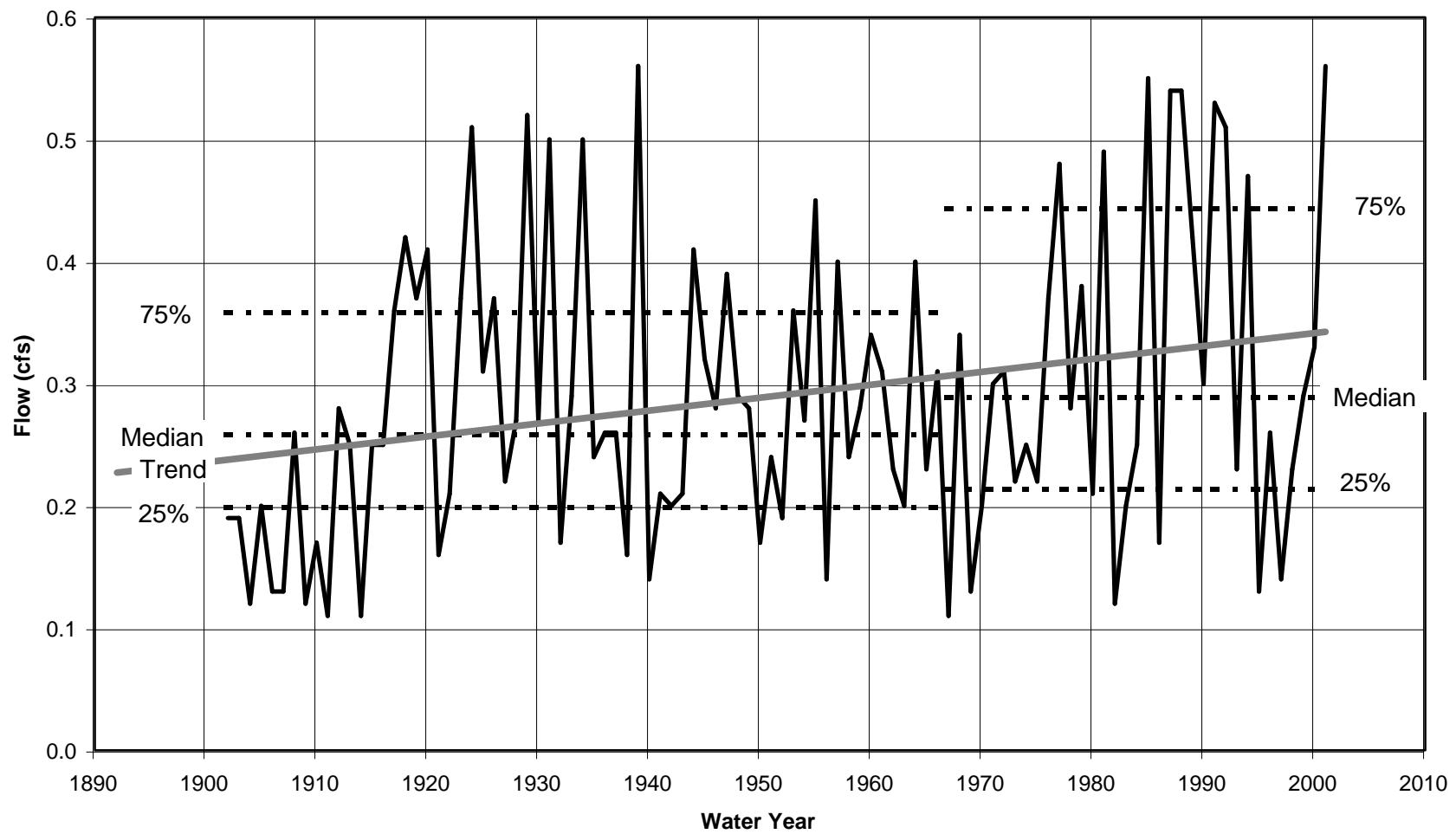
**Combined 11407000 and 11406920 - Feather River
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
90-Day Maximum**



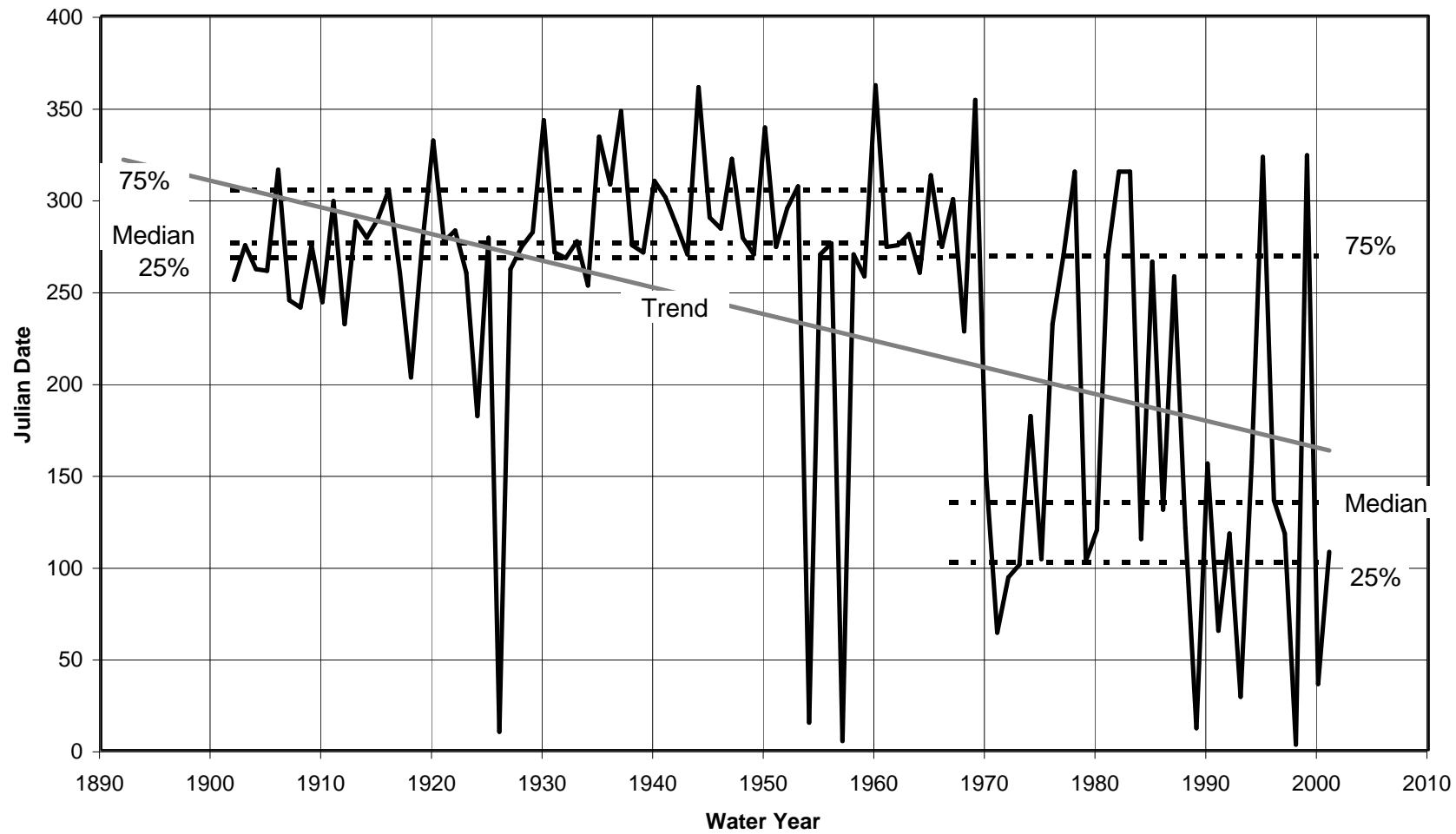
**Combined 11407000 and 11406920 - Feather River
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
Zero Days**



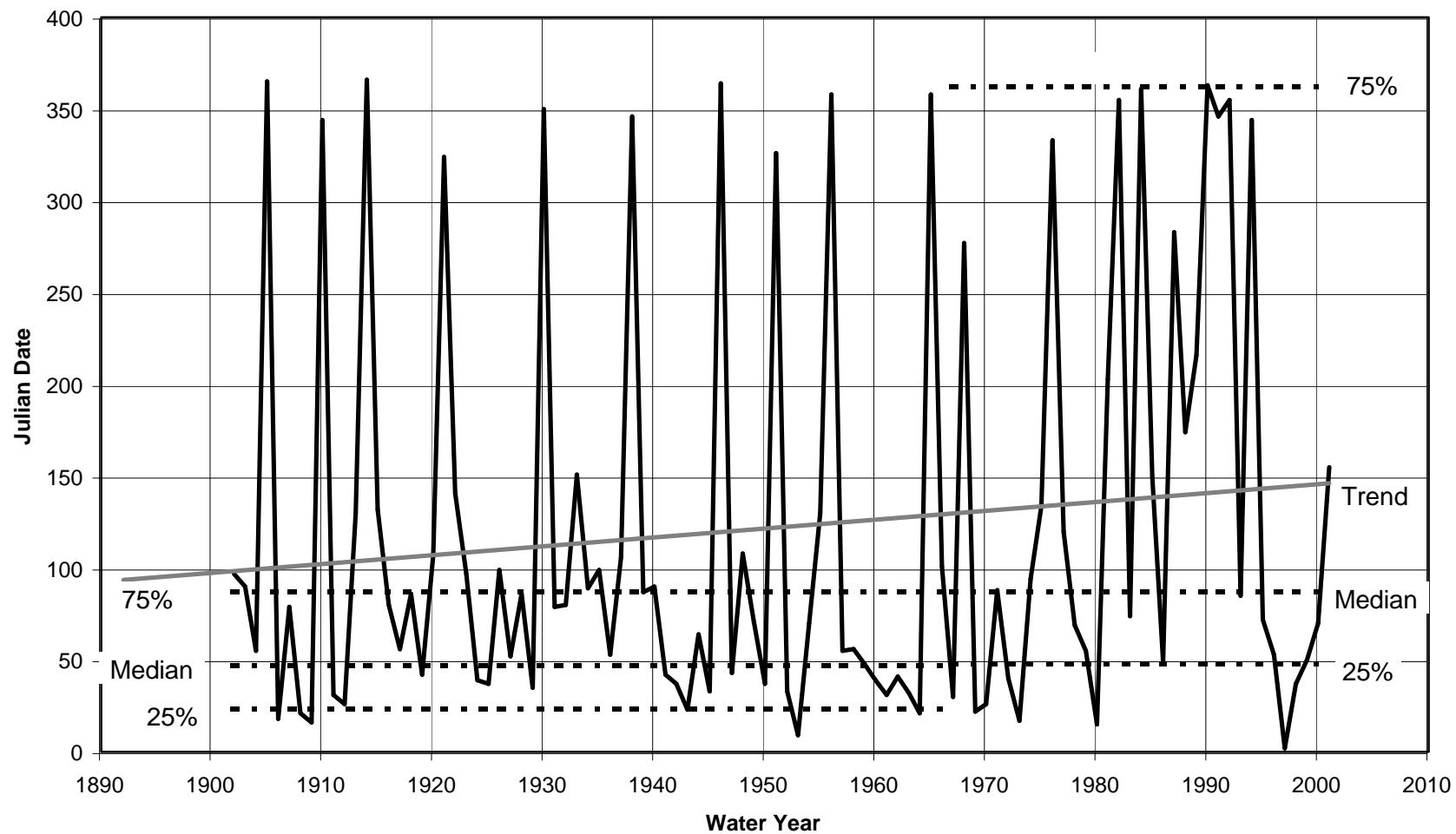
**Combined 11407000 and 11406920 - Feather River
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
Base Flow**



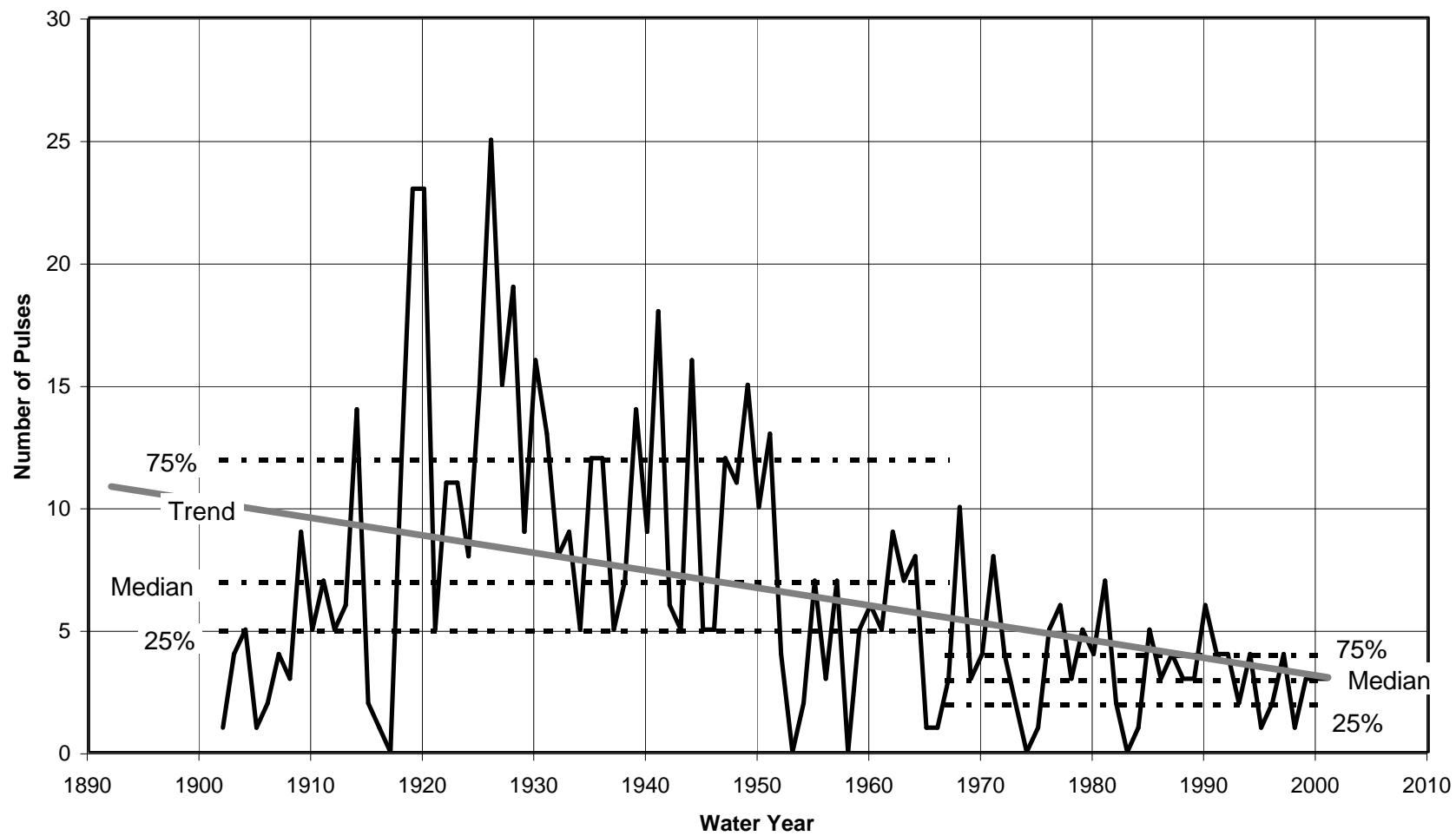
**Combined 11407000 and 11406920 - Feather River
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
Julian Date of Minimum**



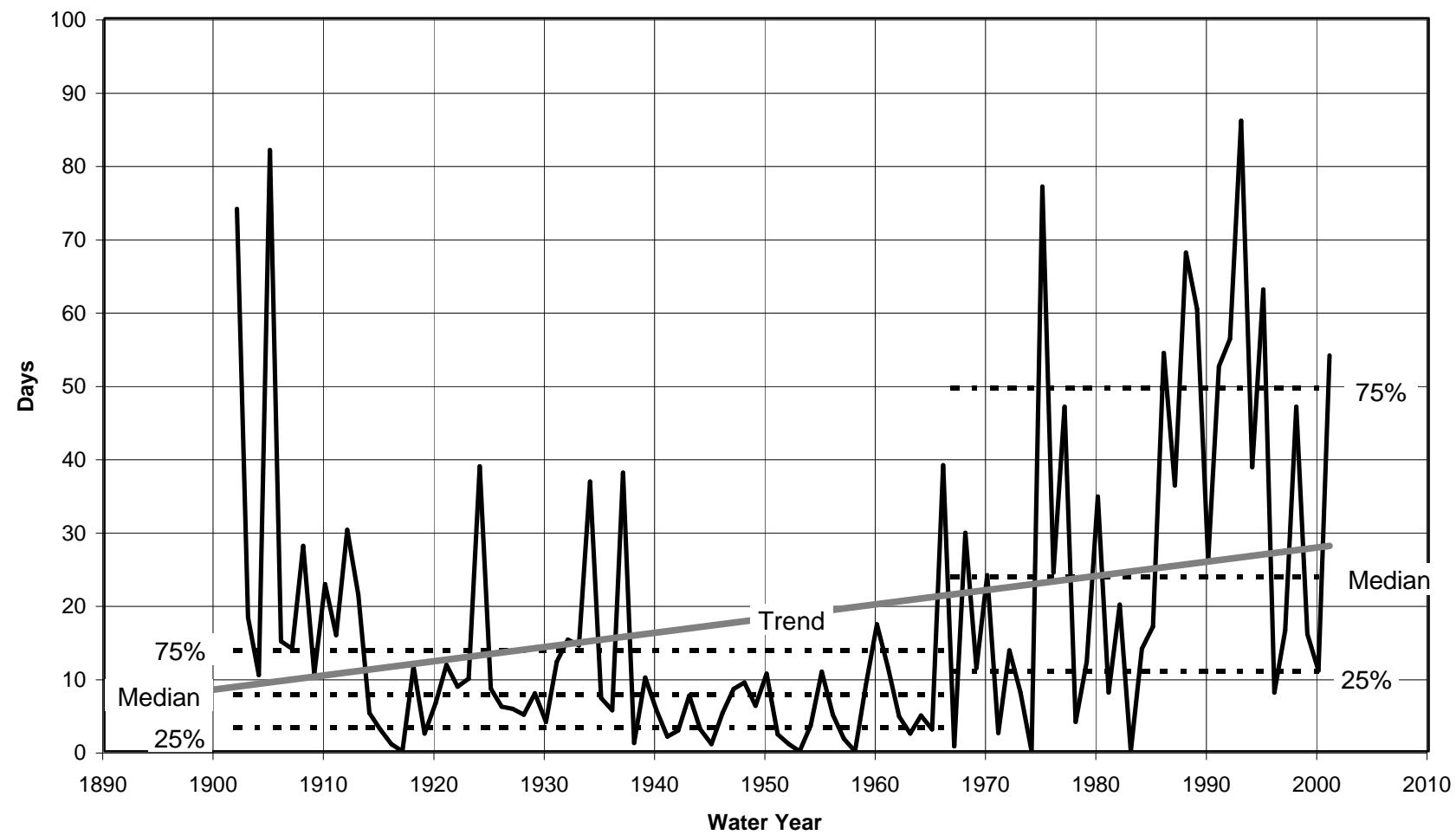
**Combined 11407000 and 11406920 - Feather River
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
Julian Date of Maximum**



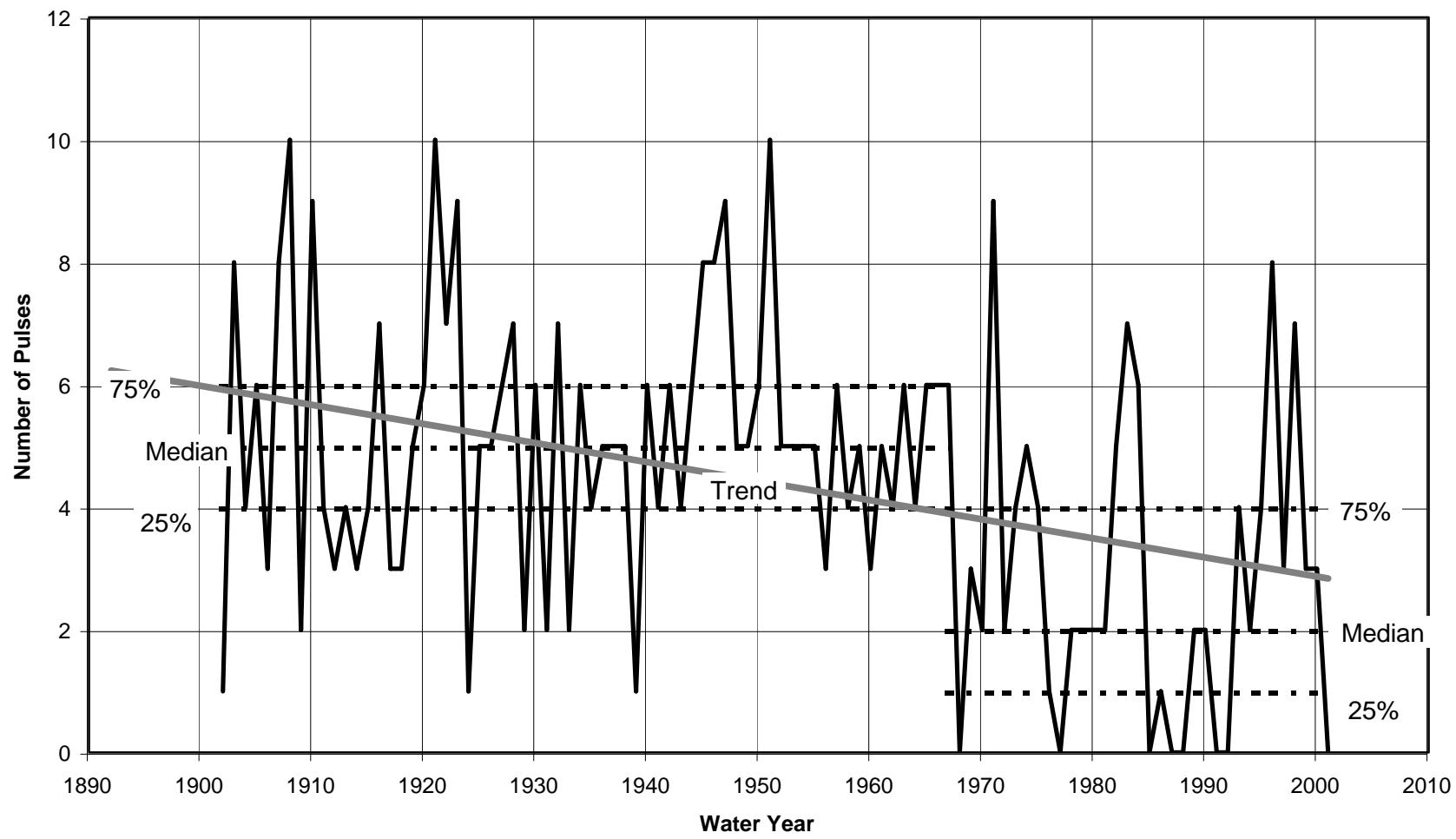
**Combined 11407000 and 11406920 - Feather River
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
Low Pulse Number**



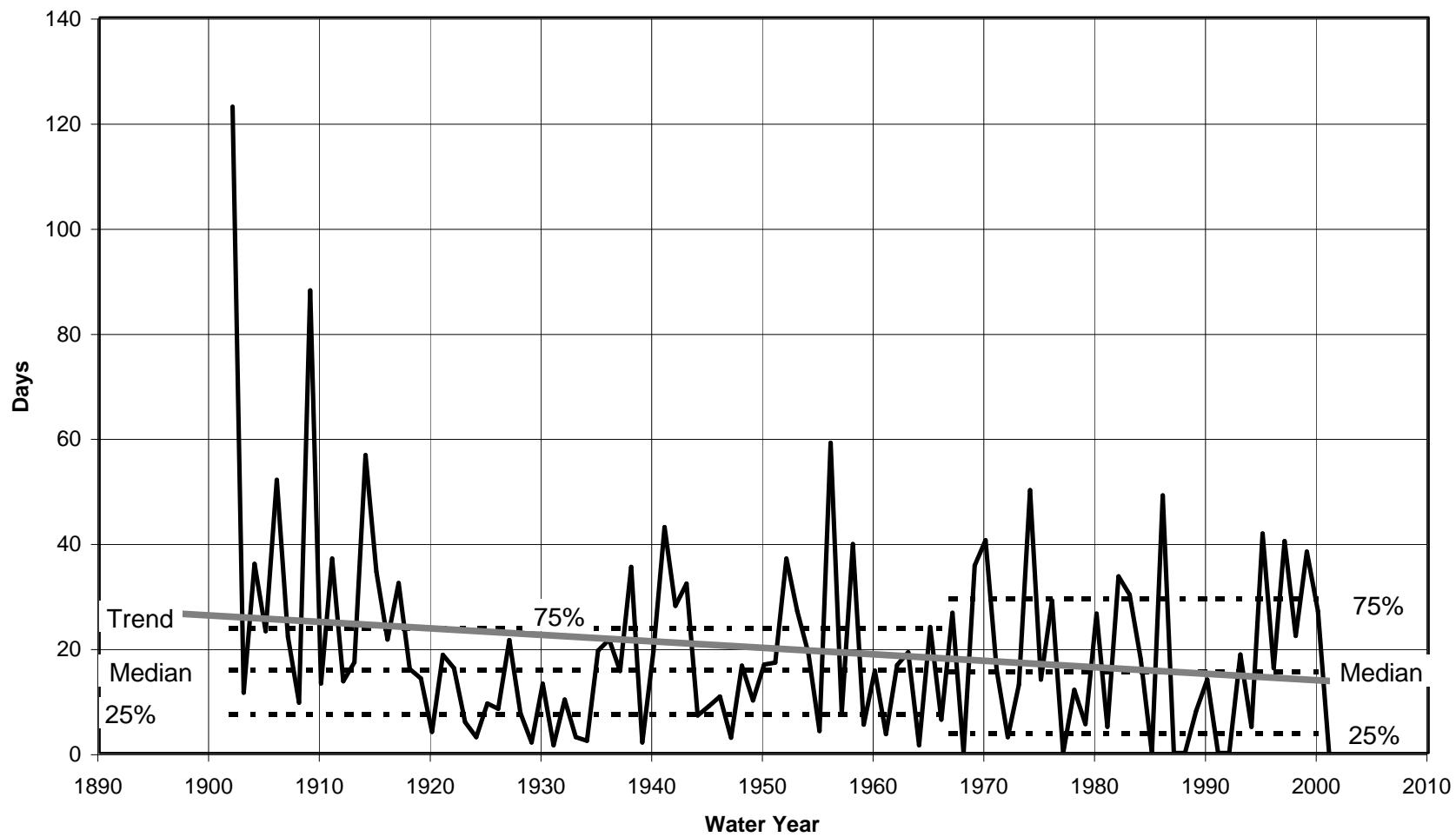
**Combined 11407000 and 11406920 - Feather River
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
Low Pulse Length**



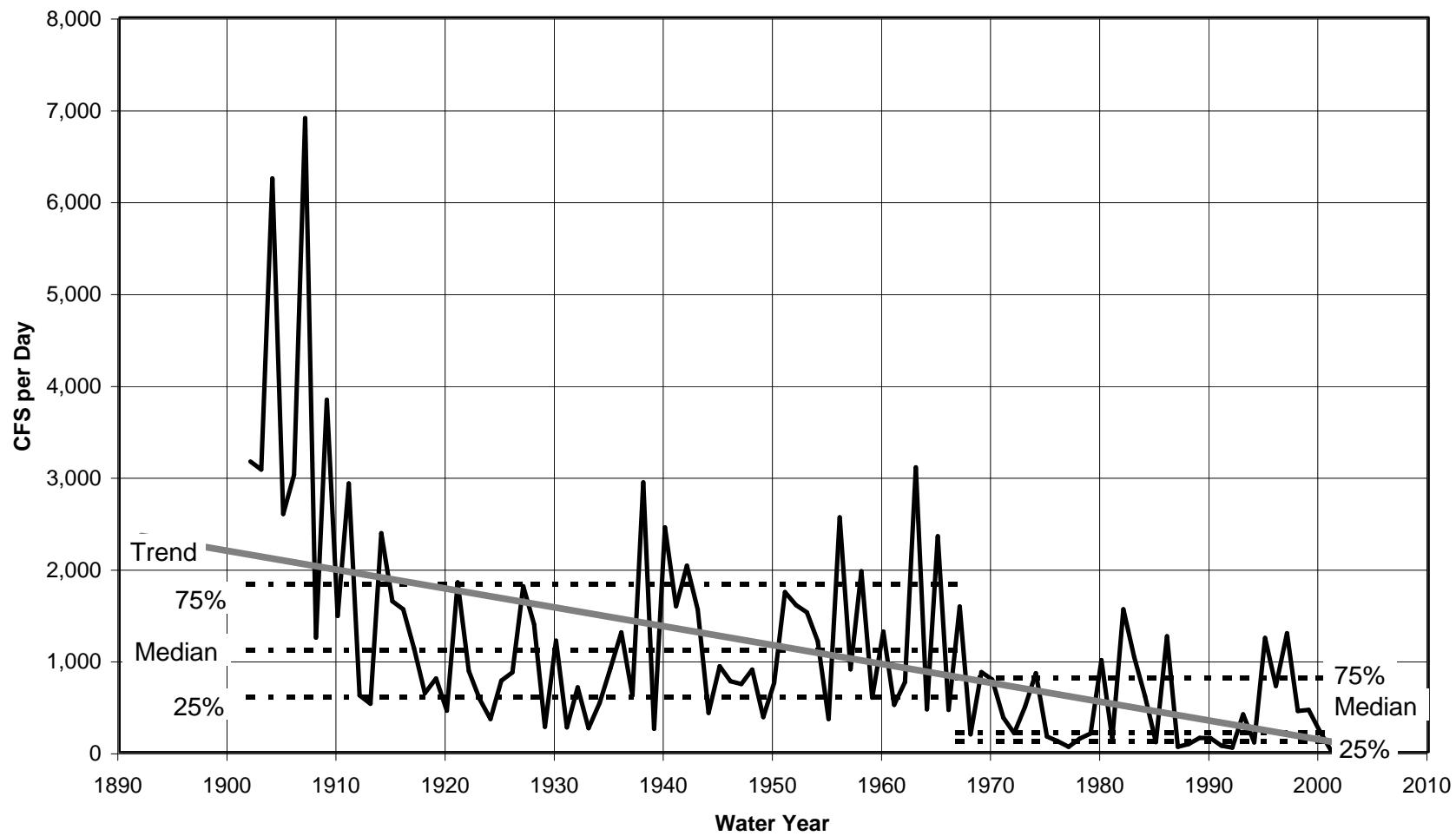
**Combined 11407000 and 11406920 - Feather River
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
High Pulse Number**



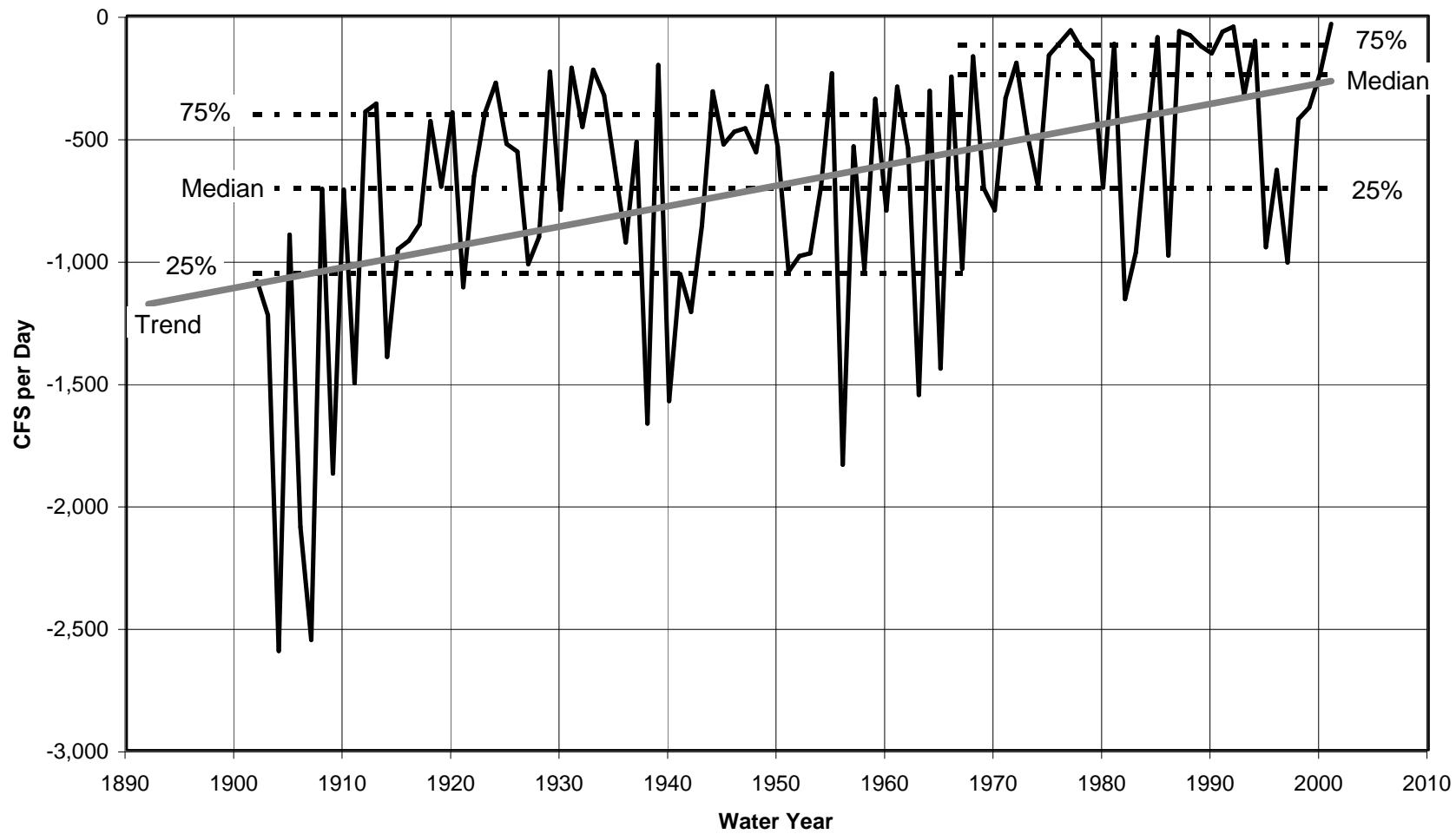
**Combined 11407000 and 11406920 - Feather River
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
High Pulse Length**



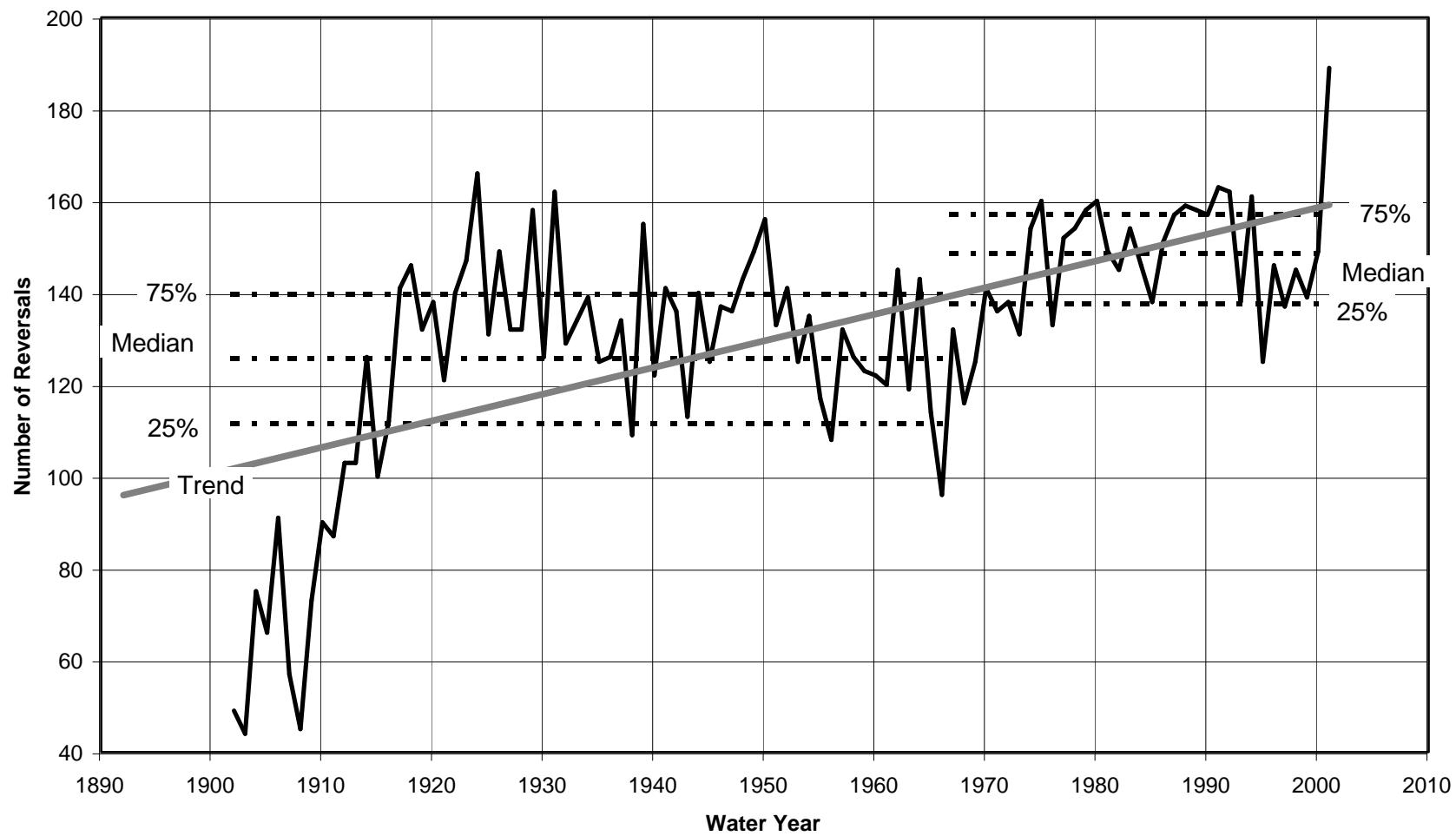
**Combined 11407000 and 11406920 - Feather River
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
Rise Rate**



**Combined 11407000 and 11406920 - Feather River
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
Fall Rate**



**Combined 11407000 and 11406920 - Feather River
IHA NonParametric Analysis - Oroville Dam Impact Year & Trend
Number of Reversals**



IHA Non-Parametric RVA Scorecard

Combined 11407000 and 11406920 - Feather River

	Pre-impact period: 1902-1966				Post-impact period: 1967-2001				RVA TARGETS		HYDROLOGIC ALTERATION
	Medians	Coeff. of Variance	Range Limits		Medians	Coeff. of Variance	Range Limits		Low	High	
			Low	High			Low	High			
Parameter Group # 1											
October	1831.3	0.4	744.7	12374.2	2569.3	0.49	905.8	6471.4	1563.55	2295.16	-0.49
November	2384.3	0.69	853.3	19713	2327.1	0.65	891.9	13292.5	1745.67	3382.33	-0.1
December	3362.6	1.15	1101.7	28405.5	3088.6	1.6	808.9	22068.7	2173.71	6045.32	-0.27
January	4482.3	1.52	1350	39861.9	2985	3.45	805.4	41450.7	2410.48	9240.97	-0.44
February	8528.6	1.21	1713.9	28026.6	4406.3	2.54	963	34576.6	3751.07	14094.29	-0.44
March	7284.8	1.01	1564.2	39761.3	6239.2	1.51	794.4	32454.4	5258.87	12649.68	-0.27
April	11139	0.74	2145.7	30096.7	2580.5	2.81	825.2	22337.1	7600	15866.67	-0.61
May	8271	0.91	1246.1	25151.6	2829.8	1.7	947.6	19290.5	5590.32	13095.48	-0.55
June	4082	0.99	924.3	15649.7	2904.5	1	964.1	11334	2747.33	6779.67	-0.1
July	2242.3	0.46	851.9	5998.7	4263.8	0.76	409.5	8858.1	1918.23	2943.39	-0.66
August	1912.9	0.29	956.1	3098.7	3944.7	0.64	525.3	7452.9	1659.03	2222.26	-0.94
September	1726.7	0.4	992	2858	2876.6	0.76	809.6	7495.6	1413.5	2098.67	-0.72
Parameter Group # 2											
1-day minimum	1200	0.34	577	2090	1171	0.47	392	2400	967.5	1370	-0.04
3-day minimum	1256.7	0.34	594	2336.7	1179.7	0.52	395.3	2423.3	1069.17	1496.67	-0.38
7-day minimum	1357.7	0.32	651.9	2454.3	1190.1	0.53	402	2566.9	1125	1555	-0.38
30-day minimum	1506.3	0.36	714.7	2606.3	1242	0.59	408.3	2885.7	1199	1744.33	-0.21
90-day minimum	1680.9	0.36	861.8	3031.4	1704.2	0.63	573	5339.3	1369.96	1976.11	-0.16
1-day maximum	45800	1.28	7200	187000	17145	2.52	3061	150300	19000	77850	-0.27
3-day maximum	37666.7	1.08	6883.3	150333.3	17141.3	2.34	3056.3	136300	16700	57300	-0.34
7-day maximum	28600	1.02	5820	100971.4	16412.4	2.18	3016.3	105128.6	12262.86	41514.29	-0.45
30-day maximum	15216.7	0.89	3714.7	47070	13682	1.27	2577.2	49186.8	9601.83	23133.33	-0.32
90-day maximum	11039.1	0.76	2765.7	33126.7	9080.7	1.23	1750.5	25610.6	8012.06	16390.11	-0.38
Number of zero days	0	0	0	0	0	0	0	0	0	0	0
Base flow	0.26	0.63	0.11	0.56	0.29	0.87	0.11	0.56	0.19	0.36	-0.04
Parameter Group # 3											
Date of minimum	277	0.1	5	362	136	0.46	3	354	261.5	297	-0.83
Date of maximum	48	0.17	9	366	49	0.25	2	363	38	107.5	-0.32
Parameter Group # 4											
Low Pulse Count	7	1.07	0	25	3	0.67	0	10	4.5	12	-0.58
Low Pulse Duration	7.9	1.39	0	82	24	1.73	0	86	3.25	14.22	-0.49
High Pulse Count	5.0	0.4	1	10	2	1.5	0	9	4	6	-0.6
High Pulse Duration	16.1	1.11	1.5	123	15.8	1.72	0	50	7.62	25.5	-0.44
The low pulse threshold is	1900										
The high pulse level	6820										

Parameter Group # 5											
Rise rate	1128.6	1.15	253	6901.2	233.9	3.17	24.6	1585.4	605.22	1907.36	-0.32
Fall rate	-699.2	-0.94	-2595	-202.2	-233	-2.54	-1158.1	-33.8	-1050.53	-396.6	-0.27
Number of reversals	126	0.23	44	166	149	0.13	116	189	110.5	140	-0.34

Comparison of Statistics Above and Below RVA Range

	Within RVA Range			Above RVA Range			Below RVA Range			
	Expected	Observed	Alteration	Expected	Observed	Alteration	Expected	Observed	Alteration	
Parameter Group #1										
October	17.77	9	-0.49	8.62	19	1.21	8.62	7	-0.19	
November	17.77	16	-0.10	8.62	8	-0.07	8.62	11	0.28	
December	17.77	13	-0.27	8.62	10	0.16	8.62	12	0.39	
January	17.77	10	-0.44	8.62	10	0.16	8.62	15	0.74	
February	17.77	10	-0.44	8.62	8	-0.07	8.62	17	0.97	
March	17.77	13	-0.27	8.62	5	-0.42	8.62	17	0.97	
April	17.77	7	-0.61	8.62	2	-0.77	8.62	26	2.02	
May	17.77	8	-0.55	8.62	2	-0.77	8.62	25	1.90	
June	17.77	16	-0.10	8.62	4	-0.54	8.62	15	0.74	
July	17.77	6	-0.66	8.62	26	2.02	8.62	3	-0.65	
August	17.77	1	-0.94	8.62	30	2.48	8.62	4	-0.54	
September	17.77	5	-0.72	8.62	26	2.02	8.62	4	-0.54	
Parameter Group #2										
1-day minimum	17.77	17	-0.04	8.62	10	0.16	8.62	8	-0.07	
3-day minimum	17.77	11	-0.38	8.62	9	0.04	8.62	15	0.74	
7-day minimum	17.77	11	-0.38	8.62	9	0.04	8.62	15	0.74	
30-day minimum	17.77	14	-0.21	8.62	9	0.04	8.62	12	0.39	
90-day minimum	17.77	15	-0.16	8.62	10	0.16	8.62	10	0.16	
1-day maximum	17.77	13	-0.27	8.62	4	-0.54	8.62	18	1.09	
3-day maximum	18.31	12	-0.34	8.62	6	-0.30	8.08	17	1.10	
7-day maximum	18.31	10	-0.45	8.08	9	0.11	8.62	16	0.86	
30-day maximum	17.77	12	-0.32	8.62	7	-0.19	8.62	16	0.86	
90-day maximum	17.77	11	-0.38	8.62	7	-0.19	8.62	17	0.97	
Number of zero days	35.00	35	0.00	0.00	0	0.00	0.00	0	0.00	
Base flow	17.77	17	-0.04	8.62	12	0.39	8.62	6	-0.30	
Parameter Group #3										
Date of minimum	17.77	3	-0.83	8.62	7	-0.19	8.62	25	1.90	
Date of maximum	17.77	12	-0.32	8.62	16	0.86	8.62	7	-0.19	
Parameter Group #4										
Low Pulse Count	18.85	8	-0.58	7.54	0	-1.00	8.62	27	2.13	
Low Pulse Duration	17.77	9	-0.49	8.62	22	1.55	8.62	4	-0.54	
High Pulse Count	19.92	8	-0.60	7.54	4	-0.47	7.54	23	2.05	
High Pulse Duration	17.77	10	-0.44	8.62	13	0.51	8.62	12	0.39	
Parameter Group #5										
Rise rate	17.77	12	-0.32	8.62	0	-1.00	8.62	23	1.67	
Fall rate	17.77	13	-0.27	8.62	21	1.44	8.62	1	-0.88	
Number of reversals	18.31	12	-0.34	8.08	23	1.85	8.62	0	-1.00	

California Department of Water Resources - Northern District
GIS Metadata Collection Form

The following is the metadata for the "gage_250K_map_2003_08_22.apr" ArcView 3.2a Map Project included in the *DRAFT Evaluation of Potential Hydrologic Alterations to the Feather River due to Operations Associated with the Oroville Dam using Indicators of Hydrologic Alteration Range of Variability Approach, USGS Gages #11407000, #11406920 + #11407000, and #11425000.*

DESCRIPTION

Description: USGS gaging stations locations used in the 2003_8_22 Draft IHA Analysis Report. "gage_250K_map_2003_08_22.apr" was created by Dona Calder, Engineer, Water Resources at DWR, Northern District, Water Supply Engineering Section. The shapefiles were created via the following steps: 1. Three pertinent USGS hydrology files were downloaded from the USGS website, <http://waterdata.usgs.gov/ca/nwis>. 2. The coordinates of the gaging stations were imported into a DWR image, "Sac_valley_1250000_digrasqquad_nad83_utm10_m.tif" and labeled accordingly for the ArcView map "gage_250K_map_2003_08_22.apr." In the Draft IHA Report, the map was saved with Adobe Acrobat in a .pdf format and titled "Figure1_map_3gages.pdf."

VITAL STATISTICS

This file location:

N:\RAID3\Pla\dcalder\IHA_Appen_draftReport_2003_08_26_all_versions\Map_LocationOfGages\ferc_draftIHAreport_utm83_metadata.doc

Metadata Information

Location:

N:\RAID3\Pla\dcalder\IHA_Appen_draftReport_2003_08_26_all_versions\Map_LocationOfGages\Shape\point_11406920.shp

N:\RAID3\Pla\dcalder\IHA_Appen_draftReport_2003_08_26_all_versions\Map_LocationOfGages\Shape\11406920.shp

N:\RAID3\Pla\dcalder\IHA_Appen_draftReport_2003_08_26_all_versions\Map_LocationOfGages\Shape\11407000.shp

N:\RAID3\Pla\dcalder\IHA_Appen_draftReport_2003_08_26_all_versions\Map_LocationOfGages\Shape\11425000.shp

Date: 12/24/03

Coverage Information

Location:

N:\RAID3\Pla\dcalder\IHA_Appen_draftReport_2003_08_26_all_versions\Map_LocationOfGages\Shape

Type: Shapefile

Class: Point

Bounding Coordinates

West:

East:

North:

South:

Projection Information

Projection: UTM Zone 10

Units: Meters

1st Std. Parallel:

2nd Std. Parallel:

Longitude of Origin: -123

Latitude of Origin: 0

Scale: 0.9996

False Easting (X shift): 500000

False Northing (Y shift): 0

Datum: 1927 North American Datum (NAD83)

Spheroid: Clarke 1866

Projection Notes:

Dona Calder - Engineer, Water Resources

2440 Main Street

Red Bluff, CA 96080

Phone: (530)529-7363

Fax: (530)529-7322

Email: dcalder@water.ca.gov

The Original Metadata are as follows:

point_11406920.shp This shapefile is made from latitude and longitudinal coordinates with accuracy to the second of a degree.

11406920.shp This shapefile is made from latitude and longitudinal coordinates with accuracy to the second of a degree.

11407000.shp This shapefile is made from latitude and longitudinal coordinates with accuracy to the second of a degree.

11425000.shp This shapefile is made from latitude and longitudinal coordinates with accuracy to the second of a degree.